

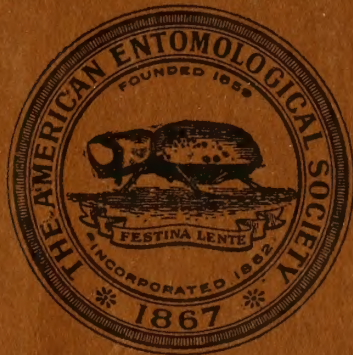
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MEMOIRS
OF THE
AMERICAN ENTOMOLOGICAL SOCIETY
NUMBER 11—PART I

A CATALOGUE
AND RECLASSIFICATION
OF THE
NEARCTIC ICHNEUMONIDAE
(HYMENOPTERA)

BY
HENRY K. TOWNES, JR.

Part I. The Subfamilies Ichneumoninae, Tryphoninae,
Cryptinae, Phaeogeninae and Lissonotinae



PUBLISHED BY THE AMERICAN ENTOMOLOGICAL SOCIETY
AT THE ACADEMY OF NATURAL SCIENCES
PHILADELPHIA

1944

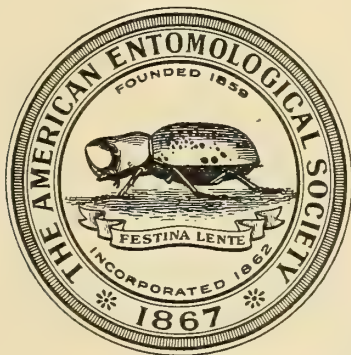
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* Part II will include the species of the subfamilies Mesoleiinae, Plectiscinae, Orthocentrinae, Diplazoninae, Metopiinae, Ophioninae and Mesochorinae; alphabetical lists of unplaced genera and species, and of nomina nuda; systematic list of hosts and of parasites; index to hosts and parasites, and index to the entire parts I and II.

INTRODUCTION

Purpose and scope of Catalogue.—The family Ichneumonidae possibly contains more species than any other family of animals in Nearctic America. A careful estimate indicates that in this region about 10,000 species probably occur. Their parasitic habits render them of great economic importance and biological interest, but because of an extremely scattered literature and confused taxonomy there is a general lack of interest in the group and a vast amount of preparation is required of the prospective worker if his results are to be a sound contribution. This catalogue was undertaken in an effort to present a coherent guide to the published information and thereby to open the field to more and a better class of research.

It is intended to give a bibliography, systematic arrangement, and host and parasite lists of the described species of ichneumon flies that occur in America north of Mexico (not including the Bermuda Islands), complete through the year 1940 and reasonably complete through 1942. The most recent work of this kind including the Nearctic Ichneumonidae is Dalla Torre's *Catalogus Hymenopterorum*, a splendid work covering the Hymenoptera of the world. There has been so much published since it appeared (Ichneumonidae in 1901 and 1902) that a more up-to-date record has long been needed. Besides a compilation of references, the present catalogue presents a more natural systematic arrangement than has previously been available.

The confused state of the taxonomy of the group has made it necessary to do much research in order to decide upon the proper arrangement of species and their synonyms. This has resulted in the discovery of new synonymy and the need for new generic placements. A conservative course has been followed in making new synonymy, so wherever there seems a reasonable possibility that a

EDITORIAL NOTE: Although this work does not conform with the general format established by the Society for this serial and for other of its publications, it was accepted as presented, because making the necessary changes would require retyping the entire manuscript. In this and other matters, the Publication Committee as a body, and its members as individuals, are in no way bound or their opinions expressed by Dr. Townes' procedure, and they disclaim any collective or individual responsibility or agreement with the details of presentation.

species or genus is distinct it is so listed. Further study will result in much more synonymy and doubtless in the resurrection of some species and genera now suppressed.

A number of genera as limited here (such as *Tryphon*, *Mesoleius*, *Erigorgus*, *Eriplanus*, *Horogenes*, *Hyposoter*, *Aptesis*, and *Gambrus*) include a heterogeneous lot of species and perhaps should have different limits. There has not been the opportunity to give these and similar cases the careful study they should have. Some of the species covered represent undescribed genera. These are left in one of the genera to which they have been referred, or placed in the nearest described genus.

The arrangement of the genera and higher groups is new. Natural relationships within the Ichneumonidae are not well understood, but studies of larval and adult characters make it clear that there are serious errors in the systems of classification proposed to date.¹ Many of these errors are corrected in the present arrangement. Doubtless some new ones are introduced.

Space does not permit discussion of the reasons for the various taxonomic changes made here. In general, they are based upon the study of holotypes, genotypes, and large collections of specimens. They represent only personal opinions, yet it is believed that other workers studying the same material would not differ with many of the conclusions presented. Description of the characters and material which form the bases for these conclusions will have to wait for such revisional papers as can be published.

The genotypes given are the same as those listed by Viereck in his *Type Species of the Genera of Ichneumon Flies* ² and *Supplement* ³ except where bibliographic data unknown to Viereck indicate that other genotypes must be selected. In cases where Viereck cited genotypes on incorrect data (*Terpiphora*, *Ischnurgops*, etc.) his citations are regarded as genotype designations. In most cases the genotypes have been listed as Viereck presented them without an attempt at verification. References to generic descriptions have

¹ The system used by Schmiedeknecht in his *Opuscula Ichneumonologica* as modified by Cushman and Rohwer in their studies on the Ichneumoninae is the one most generally followed in North America.

² Bull. U. S. Nat. Mus., 1914, 83: 1-186.

³ Proc. U. S. Nat. Mus., 1921, 59: 129-150.

not been thoroughly verified except by comparing the data in different bibliographic sources. All generic names have been looked up in Neave's *Nomenclator Zoologicus* to eliminate the possibility of preoccupation.

Except as noted below, the specific bibliographies are complete so far as my knowledge of the literature goes. All references but eleven have been verified and after these eleven it is stated that the reference has not been seen. Probably little taxonomic material of importance has been omitted. Among the more scattered and numerous host and distributional records there are certainly a large number that have not been found, primarily because bibliographic works cover these forms of literature less completely. References in which the material is obviously taken entirely from published sources have been omitted. In case of doubt possible secondary sources have been included, often without careful checking, with the result that the culling is incomplete. There are a number of lists of holotypes and lectotypes of Nearctic Ichneumonidae.⁴ Although they give some new information, a large proportion of the citations are a repetition of data published elsewhere. No reference to any of them is given in the specific bibliographies. In the case of a species ranging outside of the region covered, all references based on Nearctic material are given, but of the others, only the original description and the first correct generic placement are included. References where only a generic determination is given or where the specific determination is queried, are ordinarily not included.

There have been a number of attempts to introduce exotic species of Ichneumonidae to control insect pests. Of these species, those that have been able to establish and maintain themselves are accepted as members of the Nearctic fauna, and literature describing them as established members of our fauna is cited, but not that dealing with their laboratory handling and field colonization.

Few determinations have been verified from the original material. Unless there is clear evidence that a reference presents a mis-determination, the name is accepted as correct. It has been necessary thus to accept innumerable determinations where the literature

⁴ See the references given in footnotes under the discussions of collections and the types they contain.

and material available to the determiner were not sufficient to guarantee accurate work, or where the locality or host data indicate either that the species was misdetermined or that the data were incorrect. Anyone using this catalogue should therefore be aware of the large amount of misinformation available for the unwary.

A total of 331 described genera and 2,473 described species are recognized as valid in the region covered. Approximately 671 specific and 176 generic names are synonymized for the first time, twenty-five new specific and three new generic names are proposed for names preoccupied or misapplied, and 1,116 generic transfers are made. A number of species and genera not previously reported from the region covered are recorded as Nearctic.

Acknowledgments.—Work on this catalogue has been done during spare time under a variety of conditions, in connection with a number of institutions, and over a period of several years. From September 1940 to September 1941 its preparation was carried forward continuously under a National Research Fellowship at the Academy of Natural Sciences of Philadelphia under the direction of Mr. James A. G. Rehn. The unusual opportunities of uninterrupted time for research and access to the unparalleled historic collections at the above institution have enabled me to complete the catalogue sooner and in more accurate form than otherwise would have been possible. During my present employment in Washington in the Division of Insect Identification of the Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, I have used official time in finishing the bibliographic work and other parts of the catalogue.

For bibliography I have relied upon my personal library and the libraries of Cornell University, The American Entomological Society, the Academy of Natural Sciences of Philadelphia, the United States National Museum, the United States Department of Agriculture, and the Library of Congress. Reference to the card files on the systematics and hosts of the Ichneumonidae of the world built up by the Division of Insect Identification have given many references that otherwise would have been omitted.

Taxonomic studies were based mainly on the Townes Collection. Other collections utilized are those of Cornell University, the Academy of Natural Sciences of Philadelphia, and the United

States National Museum. These last three collections gave invaluable aid on special problems, but, aside from the types, time did not permit study of more than small sections of their material.

I am indebted for help to the workers mentioned in this paragraph. In the main this has been in the form of the free exchange of ideas and information. Dr. A. Roman of the Swedish National Museum and Dr. G. Heinrich (formerly?) of Borówki, Poland, have given assistance in the generic placement of certain Nearctic species. Mr. H. D. Smith of the U. S. Bureau of Entomology and Plant Quarantine has shown me his material and manuscript on ichneumonid larvae. Mr. Noel-M. Comeau of the Museum of the Province of Quebec has given me the benefit of his detailed knowledge of the Provancher type material. Mr. G. Stuart Walley of the Canadian Division of Entomology has likewise helped me with the type material in the Canadian National Collection. Mr. R. A. Cushman of the U. S. Bureau of Entomology and Plant Quarantine has been consulted on innumerable matters in the course of the work and his great knowledge and experience in the family have made his assistance most valuable. A number of specialists have given help with the synonymy of the host species. I am especially indebted to Mr. Carl Heinrich for help with the Lepidoptera.

In all aspects of the work on this catalogue, from collecting and studying material to taking notes on types, bibliographic work, criticism, typing, and proofreading, my wife (Dr. Marjorie Chapman Townes) has done a large share of the work. In a sense she is co-author.

A portion of the cost of publication of this work has been met by a grant from the National Research Council, with the remainder made available by The American Entomological Society.

Explanation of abbreviations.—The following are the abbreviations used with the references to indicate their contents:

biol. Information on the morphology or habits of the immature stages or on the habits of the adult.

des. Description or descriptive notes on the adult, other than the original description.

fig. One or more figures in the text or on a plate.

host. A host named. Letters following the word "host" refer to the host list under the species.

key. Inclusion of the species in a key.

o.d. An original description forming the basis for a new name. After such references are given the type locality and, in parentheses, the collection containing the type specimen. For a list of the abbreviations used for the collections containing types, see pages 10 to 15.

parasite. A parasite recorded. Letters following the word "parasite" refer to the parasite list under the species.

syn. Information on the synonymy or generic position.

Abbreviations of states and the provinces of Canada following a reference indicate that distributional data are given for each of the states and provinces listed. In the case of an original description, the type locality is given in full but the presence of additional distributional data for that particular province or state is not indicated.

Nomenclatorial problems.—In 1868 Foerster⁵ proposed 502 new generic names in the Ichneumonidae, all without included species. There are several logical methods of dealing with such genera, the choice between which seems largely arbitrary. Among these methods, the one presented by the International Commission on Zoological Nomenclature seems workable and is hereby adopted. In Opinion 46 the International Commission stated that ". . . if (as in *Aclastus* Foerster, 1868) it is not evident from the original publication of the genus how many or what species are involved, the genus contains all of the species of the world which would come under the generic description as originally published, and the first species published in connection with the genus (as *Aclastus rufipes* Ashmead, 1902) becomes *ipso facto* the type." This opinion has been rather generally followed by British and American workers. Many workers prefer to regard these Foerster genera as unpublished until they receive species or to disregard them entirely.

There is a further cause of confusion. Some workers believe that, according to the Commission, the genotype of one of these genera is not the first species referred to it but the first referred which completely agrees with the original description. The basis for this viewpoint is the statement in Opinion 46 that "the genus contains all of the species of the world which come under the generic description as originally published," with the inference that

⁵ Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 135–221.

species not agreeing with the original description were not originally included and therefore are not available as genotypes. A careful consideration of the Opinion seems to force the conclusion that the Commission did not intend that a species should have to be perfectly in accord with the original description in order to become a genotype. It is, however, certain that the other viewpoint can be read into Opinion 46, and without clarification from the Commission itself (whose membership has now changed) the matter can not be finally settled. The problem can perhaps better be approached from another angle. Suppose we grant that a species must fit the original description if it is to become genotype. Whether a species fits one of Foerster's generic descriptions is often subject to differences of opinion, and the only method for securing uniformity where there is opportunity for such differences is to accept the decision of some authority. The most convenient authority for acceptance is the person who originally referred the prospective genotype to the genus in question. He believed that the species agreed with the original generic description reasonably well and no good nomenclatorial purpose is served by substituting the decision of some later worker. To follow this suggestion would result in some absurdities in the application of names and some pain to our taxonomic consciences, but also in an unquestionable gain in nomenclatorial stability and uniformity.

Some prefer to select genotypes of these genera as indicated by a study of Foerster's collection and unpublished manuscripts.⁶ It is unfortunate that greater use was not made of these sources before the application of the names became fixed, but, regardless of the importance of understanding how Foerster intended that his names should be applied, Opinion 46 indicates that established nomenclature should not be upset by such information. This is not according to the methods used on specific names and is one of the inconsistencies in the Rules of Nomenclature. The practical advantages of this inconsistency recommend its continuance.

⁶ Foerster's collection is in the Vienna Museum. Small parts of it have been studied by various workers. His manuscripts contain fuller descriptions than his published keys and include species in many of the genera. These manuscripts were formerly in the possession of Dr. O. Schmiedeknecht and were used in the preparation of his *Opuscula Ichneumonologica*. About 1922 they were purchased by the U. S. Department of Agriculture and have since been used by Cushman in the preparation of his papers on the types of certain of Foerster's genera.

In this catalogue the Foerster genera of 1868 are dated from the time first proposed and the first species, or one of the first group of species, referred to one of these genera is accepted as genotype.

The selection of subfamily, tribal, and subtribal names is according to priority, though the bibliographic history of these names and their synonyms is not presented. Only names based upon those of included genera are used and they are dated from their first use for a supergeneric group. There are several different sets of principles commonly used by zoologists for the selection of group names the uniform application of any one of which would result in many changes from current usage. The principles stated above are used in this catalogue because it seems desirable to preserve and extend the rule of priority in nomenclature and because in the Ichneumonidae this would result in the continuance of practically all the group names in current use.

The International Rules on Zoological Nomenclature as supplemented by the Opinions have formed the basis for all other nomenclatorial decisions with the exceptions pointed out below. The exceptions are ventured in the interest of sound nomenclature. It is hoped that they will not seem too offensive to those who consider the International Rules inviolable.

If a specific name was not a homonym when first proposed and is not the same as that of other species or their available synonyms belonging to its proper genus, it is not changed for a newer name. As at present written, the International Rules require that if a name is a homonym at any time in its history through the assignment of species to genera in which they do not belong, the name should be permanently rejected. The permanent rejection of names in these latter cases seems unnecessary, and I have recently learned that the International Commission is about to publish an Opinion in which this obnoxious requirement will be revoked.

The original spellings of generic and specific names have been retained.* The large number of emendations which would result from an application of the International Rules and Opinions on the transliteration and formation of names seems undesirable.

* The author prefers to omit parentheses from the names of the authors of species. The parentheses have been inserted in this paper by the editor in accordance with the established practice of this serial.

Opinion 78 of the International Commission on Zoological Nomenclature erases the traditional distinction between *nomina nuda* and names founded upon descriptions. Opinion 6 requires the selection of genotypes by elimination. These two opinions apparently contradict other parts of the Rules and Opinions and are therefore disregarded.

Location of types.—Following is an annotated list of North American collections containing types of Nearctic Ichneumonidae. In parentheses after the names of each collection is the abbreviation used in this paper.

The Academy of Natural Sciences of Philadelphia at Philadelphia, Pa. (A.N.S.P.) contains most of the types of Cresson and Davis, many of those of Viereck, and some of other authors. Lists of these types have been published.⁷ Besides those in the published lists, there are most of Hopper's types of Ichneumoninae, some of Townes' types of *Netelia*, and types of the following: *Exochus albifrons* Cresson, *Ichneumon comes* var. *aleatorius* Cresson, *Arotes occipitalis* Cresson, *Pyracmon aldrichi* Davis, and *Mesoleptus striatus* Davis. The lectotype of *Cremastus cookii* Weed is not the specimen listed but is a specimen in the collection of the Illinois Natural History Survey, as the latter was the first to be designated. About 1,000 types of Nearctic species are present. They are under the care of Mr. James A. G. Rehn and Mr. E. T. Cresson, Jr.

The United States National Museum at Washington, D. C. (U.S.N.M.) contains all the types of Ashmead except *Limneria* (*Sinophorus*) *canarsiae* and *Spilocryptus canarsiae*; all the types of Cushman except *Exetastes corvinus*, *E. infumatrix*, *E. subimpressus*, and *Odontomerus brevicaudus*; all those of Rohwer, Riley, and Howard; many of those of Viereck; some of Cresson;⁸ and a smaller number of types of other authors. About 800 types of Nearctic species are present. They are under the care of Mr. R. A. Cushman.

The Museum of the Province of Quebec at Quebec, Que. (M.P.Q.) contains most of the types of Provancher⁹ and the type

⁷ Types of Cresson: Mem. Amer. Ent. Soc., 1916, 1: 12–64. Types of Davis and other authors: Mem. Amer. Ent. Soc., 1928, 5: 11–26.

⁸ Cresson's types in the U. S. National Museum are listed in Mem. Amer. Ent. Soc., 1916, 1: 12–64.

⁹ Listed by Gahan and Rohwer in *Canad. Ent.*, 1917, 49: 298–308, 331–336, 391–400, 427–433; 1918, 50: 28–33, 101–106, 133–137, 166–171, 196–201. Additions and correc-

of *Lampronota provancheri* Dalla Torre. About 442 types of Nearctic species are present. They are under the care of Mr. Noel-M. Comeau.

The Canadian National Collection at Ottawa, Ont. (C.N.C.) contains many of Viereck's types (especially Campoplegini), most of the types of Walley, all those of Harrington except *Pezomachus ottawaensis* at the Academy of Natural Sciences of Philadelphia and some of Provancher.¹⁰ About 405 types of Nearctic species are present, of which about 267 are Campoplegini. They are under the care of Mr. G. Stuart Walley.

The Snow Collection of the University of Kansas at Lawrence, Kans. (Univ. Kans.) contains the types of *Callidiotes kansensis* Brues, *Exetastes infumetricus* Cushman, *E. subimpressus* Cushman, *Hemiteles cheboyganensis* Butcher, *H. cushmani* Butcher, *Netelia* (*Netelia*) *cushmani* Townes, *N. (N.) glabra* Townes, and sixty-six types of Viereck.¹¹ They are under the care of Prof. R. H. Beamer.

The Connecticut Agricultural Experiment Station at New Haven, Conn. (Conn. Agr. Exp. Sta.) contains the types of *Campoplex* (*Campoplex*) *ruficoxalis* Viereck, *Thaumatotypus spinulatus* Strickland, *Pezomachus* (*Micromeson*) *lymense* Strickland, and all the Ichneumonidae described by Viereck¹² except for *Amblyteles* (*Barichneumon*) *duplicatiformis*, *Phygadeuon* (*Plesignathus*) *nortoni*, *P. (Bacchia)* *tumidiformis*, *Agrothereutes* (*Itamoplex*) *cressoni*, *A. (I.) ebenus*, *A. (I.) iroquois*, and *Plectiscidea* (*Aperileptus*) *contentionis*, which are at the Academy of Natural Sciences of Philadelphia, and for *Therion sassacus*, and *T. waccagum*, which are at the United States National Museum. Altogether, fifty types are present. They are under the care of Mr. J. C. Schread.

tions to Gahan and Rohwer's list were published by Townes in *Canad. Ent.*, 1939, 71: 92-95. Mr. Noel-M. Comeau has restudied the problem of Provancher's types and is about to publish a completely revised list.

¹⁰ The Provancher types in the Canadian National Collection are listed by Gahan and Rohwer in the paper referred to in footnote 9. Additions to their list were published by Walley in *Canad. Ent.*, 1937, 69: 115-117. These lists are being revised by Mr. Comeau.

¹¹ Viereck's types are of species published in *Trans. Kans. Acad. Sci.*, 1905, 19: 264-326; and in *Trans. Amer. Ent. Soc.*, 1906, 32: 178-183, 216-220, 225-226, 243-244, 245; 1908, 33: 385.

¹² *Bull. Conn. Geol. Nat. Hist. Surv.*, 1917, 22: 216, 243-360, 766-767.

The Museum of Comparative Zoology at Harvard University, Cambridge, Mass. (M.C.Z.) contains the following thirty-three Nearctic types: *Ameloctonus xanthocerus* Viereck, *Angitia aestivalis* Viereck, *Campoplegidea conformis* Walley, *Campoplex banksi* Viereck, *C. dissitus* Norton, *C. pieridicola* Packard, *Cryptohelcostizus dichrous* Viereck, *Cryptus samiae* Packard, *C. smithii* Packard, *Cymodusa simplicicornis* Viereck, *Holocremnus flaviclypeus* Viereck, *H. virginiensis* Viereck, *Ichneumon comptus* Say, *I. concinnus* Say, *I. duplicatus* Say, *I. hispae* Harris (only a fragment left), *I. hunterae* Packard, *I. unifasciatorius* Say, *Idechthis nigriscapus* Viereck, *Labrorychus aestivalis* Viereck, *Limneria limenitidis* Howard (cotype), *Metopius hageni* Cresson, *Ophion analis* Say, *O. brachiator* Say, *O. tityri* Packard, *Pesomachus* (*Micromeson*) *annulatus* Strickland, *P. flavocinctus* Ashmead (cotype), *P. longipes* Strickland, *P. stanfordensis* Strickland, *Sagaritis melanomerus* Viereck, *Viereckiana egregia* Viereck, *Zaplatystoma johnsoni* Viereck, and *Zastenomorpha lamina* Viereck. They are under the care of Mr. Nathan Banks.

The collection of Prof. C. T. Brues at Harvard University, Cambridge, Mass. (Brues Coll.) contains the following twenty-six Nearctic types: *Eiphosoma septentrionale* Brues, *Grypocentrus rufiterminalis* Hall, *Heterocola americana* Brues, *Microcryptus* (*Theroscopus*) *vernalis* Brues, *Pezomachus angularis* Brues, *P. birkmanni* Brues, *P. cockerelli* Brues, *P. crassulus* Brues, *P. delumbis* Brues, *P. foersteri* Brues, *P. foveatus* Brues, *P. habilis* Brues, *P. insolens* Brues, *P. maculicollis* Brues, *P. manni* Strickland, *P. texanus* var, *nigriventris* Brues, *P. obesus* Brues, *P. urbanus* Brues, *P. wheeleri* Brues, *Polyblastus fulvilinealis* Hall, *P. kaniakensis* Hall, *P. scopioroides* Hall, *Prionopoda media* Hall, *Pristomeridea dubia* Brues, *Pristomerus coloradensis* Brues, and *Scopiorus plagosus* Hall.

The Peabody Museum at Yale University, New Haven, Conn. (Yale Univ.) contains the following nineteen types of Norton: *Anomalon ambiguus*, *A. curtus*, *A. ferrugineus*, *A. hyaline*, *A. luteopectus*, *A. metallicus*, *A. nigro-rufus*, *A. prismaticus*, *A. semi-rufus*, *Campoplex argenteus*, *C. assitus*, *C. diversus*, *C. genuinus*, *C. glaucus*, *C. villosus*, *C. vitticollis*, *Exochilum fuscipennis*, *E. tenuipes*, *Hemiteles utilis*, and perhaps also the type of *Trogus atrocaeruleus* Cresson. They are under the care of Dr. S. C. Ball.

Cornell University at Ithaca, N. Y. (Cornell Univ.) has the following eighteen types: *Agathobanchus bradleyi* Viereck, *Cratichneumon rubicundus* Bradley, *Exetastes corvinus* Cushman, *Netelia* (*Netelia*) *acuminata* Townes, *N. (N.) brunnea* Townes, *N. (N.) falcata* Townes, *N. (N.) idioctenus* Townes, *N. (Toxochilus)* *magniceps* Townes, *N. (Netelia)* *palpalis* Townes, *N. (N.) recta* Townes, *N. (N.) reflexa* Townes, *N. (Toxochilus)* *ultima* Townes, *Odontomerus albotibialis* Bradley, *Phaeogenes pimploides* Bradley, *Phygadeuon* (*Stibeutes*) *yuasai* Bradley, *Platylabus luzernensis* Bradley, and *Trogus nigrocinctus* Hasey. They are under the care of Dr. Henry Dietrich.

The California Academy of Science at San Francisco, Calif. (Calif. Acad. Sci.) contains fourteen Nearctic types as follows: *Neopristomerus woodworthi* Viereck, *Netelia* (*Paropheltes*) *ciliata* Townes, *N. (Netelia)* *ingrata* Townes, *N. (Paropheltes)* *laticeps* Townes, *N. (Netelia)* *ligata* Townes, *N. (Toxochilus)* *mystace* Townes, *N. (Netelia)* *pallens occidentalis* Townes, *N. (N.) pluridens* Townes, *N. (Paropheltes)* *radiata* Townes, *N. (Netelia)* *rectifascia* Townes, *N. (N.) umbone* Townes, *N. (N.) unicolor* Townes, *Megarhyssa lunator icterostica* Michener, and *Thyreodon flam-mipennis* Ashmead. They are under the care of Dr. E. S. Ross.

The collection of H. K. and M. C. Townes at Takoma Park, Md. (Townes Coll.) contains the following eleven types of H. K. Townes: *Netelia* (*Netelia*) *blantoni*, *N. (N.) delicata*, *N. (N.) heroica*, *N. (N.) microdon*, *N. (N.) ovalis*, *N. (N.) punctata*, *N. (Parabatus)*, *rogersi*, *N. (Paropheltes)* *serrata*, *N. (Parabatus)* *uncata*, *Pimpla inflata*, and *P. nuda*.

The collection of the Illinois Natural History Survey contains ten types, as follows:¹³ *Cremastus cookii* Weed, *C. cookii* var. *rufus* Weed, *C. forbesi* Weed, *Glypta phoxopteridis* Weed, *Limneria* (*Sinophorus*) *canarsiae* Ashmead, *L. elegans* Weed, *L. teratis* Weed, *Pimpla minuta* Weed, *Spilocryptus canarsiae* Ashmead, and *Tricyphus ater* Hopper. They are under the care of Dr. H. H. Ross.

Michigan State College at East Lansing, Mich. (Mich. State College) has the following seven types: *Aptesis major* Davis,

¹³ Except for the last, these are enumerated by Frison in Bull. Ill. Nat. Hist. Surv., 1927, 16: 212-213. The type of *Pimpla minuta* is a male, rather than a female as stated by Frison.

Chorinaeus pleturus Davis, *Ischnoscopus nigricapitatus* Cook and Davis, *Mesochorus pulchellus* Cook and Davis, *Metopius errantia* Davis, *Oetophorus osflavus* Davis, and *Polycinetus solitarius* Davis. These are under the care of Prof. C. W. Sabrosky.

The Milwaukee Public Museum at Milwaukee, Wis. (Milwaukee Public Mus.) contains the following seven types of Brues: *Enizemum neomexicanum*, *Metopius birkmanni*, *Orthopelma thomsoni*, *Oxytorus paludicola*, *Promethes rohweri*, *Syrphoctonus laevis*, and *Zootrepes similis*.

The New York State Museum at Albany, N. Y. (N. Y. State Mus.) contains the following five types of Felt: *Ophion abnormum*, *O. appendiculatum*, *O. arcuatum* (cotype), *O. ferrugineipennis* (cotype), and *O. gillettei*. They are under the care of Dr. R. D. Glasgow.

The Séminaire de Chicoutimi at Chicoutimi, Que. (Séminaire de Chicoutimi) contains the type of *Ichneumon saguenayensis* Provancher. It is under the care of Prof. Léonidas Larouche.

Massachusetts State College at Amherst, Mass. (Mass. State College) contains the type of *Campoplex variabilis* Franklin. It is under the care of Prof. C. P. Alexander.

The New Hampshire Agricultural Experiment Station at Durham, N. H. (N. H. Agr. Exp. Sta.) is said to have cotypes of *Ameloctonus clisiocampae* Weed. In his original description Weed stated that cotypes were deposited in this collection and in the United States National Museum. The cotypes in the National Museum could not be found.

The collection of Mr. A. Bolter (Bolter Coll.) is said by Cresson¹⁴ to contain the type of *Trogus bolteri* Cresson. The location of this collection is unknown to me.

Except as listed below, all types of Nearctic species in North American collections have been seen. Those not seen are as follows: *Asphragis jacobii* Walley, *Olesicampe pikonemae* Walley, and *Cryptus segregatus* Provancher in the Canadian National Collection; *Campoplex variabilis* Franklin at Massachusetts State College; *Orthopelma thomsoni* Brues at the Milwaukee Public Museum; *Trogus bolteri* Cresson in the Bolter collection; *Ameloctonus clisiocampae* Weed in the collection of the New Hampshire Agricultural Experiment Station; *Ichneumon* (*Barichneumon*) *nigrosignatus*

¹⁴ Mem. Amer. Ent. Soc., 1915, 1: 21.

Viereck, reputedly at the University of Kansas; *Sagaritis melanomerus* and *Zaplatystoma johnsoni* Viereck, reputedly at Harvard University; *Trogus atrocaeruleus* Cresson, reputedly at Yale University; and *Neopristomerus woodworthi* Viereck, *Megarhyssa lunator icterosticta* Michener, and *Thyreodon flammipennis* Ashmead at the California Academy of Sciences. Of these, *Trogus atrocaeruleus*, *Ichneumon nigrosignatus*, *Neopristomerus woodworthi*, *Sagaritis melanomerus*, and *Zaplatystoma johnsoni* are known to me only by their original descriptions. Mr. R. A. Cushman has recently examined the type of *Cryptus segregatus* and I am indebted to him for information about it.

Types in European museums have not been seen, and because of the war no attempt has been made to gain information about them through correspondence. It has, however, been possible to get authentic information about some of Cameron's species through the C. F. Baker collection at Pomona College, Claremont, Calif. Apparently, when Baker sent material to Cameron for description, he usually kept numbered duplicates in his own collection, which he labeled with Cameron's names when these were published. Mr. R. A. Cushman has examined the Baker material at Pomona College and found the following Cameron species apparently correctly labeled: *Aneuclis? erythrostomus*, *Enytus maculipes*, *Lampronota aciculata*, *Orona petiolaris*, *Ateleophadnus bicarinata*, *Cidaphrurus nigrolineatus*, *Compsocryptus brevicornis*, *Glypta xanthogastra*, and *Otacustes nigro-ornatus*. Through the generosity of Prof. W. E. Hilton, the curator of the collection, Mr. Cushman was able to bring back to the United States National Museum representatives of the first four of these species. I have studied the specimens at the National Museum. For identification of the others, I have relied upon Mr. Cushman's notes.

I wish to express my gratitude to the men and institutions who have permitted me to study the type material in their care.

Taxonomic papers of special interest to students of Nearctic Ichneumonidae.—Original titles are not given.

ASHMEAD, *Proc. U. S. Nat. Mus.*, 1900, 23: 1-220. Keys to all genera of Ichneumonidae. This is largely a translation of Foerster's 1868 paper with subsequently described genera added. The student will find it confusing and full of errors.

MEM. AMER. ENT. SOC., 11 pt. 1.

- CRESSON, *Trans. Amer. Ent. Soc.*, 1870, 3: 151-166. Revision of the Nearctic species of *Glypta* and *Lissonota*. Old, but still useful.
- CRESSON, *Trans. Amer. Ent. Soc.*, 1877, 6: 129-212. Revision of the Nearctic Phaeogeninae. Incomplete and old, but of high quality for its day and still useful.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1917, 53: 503-551. Revision of part of the Nearctic Cremastini (*Pseuderipternus*, *Dolichopselephus*, *Cremastus*, and *Zaleptopygus*). This treats only a fraction of the existing species.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 7-48. Revision of the Nearctic Theroniini, Polysphinctini (except *Schizopyga*), and Lycorini.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 268-288. Revision of part of the Nearctic Cremastini (*Pristomerus*, *Areolopristomerus*, *Eiphosoma*, and *Dimorpha*).
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 327-362. Revision of the Nearctic Echthromorphini.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1921, 60, art. 4: 1-14. Key to the Holarctic tribes of Ichneumoninae and revisions of the Nearctic species of *Clistopyga* and of *Schizopyga*.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1929, 74, art. 16: 1-58. Revision of the Nearctic Cryptini with the areolet very small (*Mesostenini* of authors).
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1930, 77, art. 3: 1-15. Revision of the Nearctic species of *Odontocolon*.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1937, 84: 243-312. Revision of the Nearctic species of *Exetastes*.
- CUSHMAN and ROHWER, *Proc. U. S. Nat. Mus.*, 1920, 57: 502-523. Revision of the Nearctic Acaenitini.
- DAVIS, *Trans. Amer. Ent. Soc.*, 1895, 22: 17-30. Revision of the Nearctic Diplazoninae. Unsatisfactory, but the best available.
- DAVIS, *Trans. Amer. Ent. Soc.*, 1897, 1898, 24: 193-348. Revision of the Nearctic Metopiinae, Orthocentrinae, Plectiscinae, Tryphoninae, and Mesoleiinae. Poor, but the best available.
- HOOKE, *Trans. Amer. Ent. Soc.*, 1912, 38: 1-176. Revision of the American Ophionini. Monographic in scope and a useful compilation, but the taxonomic work is superficial.
- HOPPER, *Trans. Amer. Ent. Soc.*, 1939, 65: 307-346. Revision of the Nearctic Trogini.
- ROHWER, *Proc. U. S. Nat. Mus.*, 1920, 57: 405-474. Revision of the Nearctic Labenini, Rhyssini, Eugaltini (except *Clistopyga* and *Diacritus*), Xoridini, and *Phytodietus*. The part on *Phytodietus* is unsatisfactory; that on *Odontocolon* is superseded by Cushman, 1930.
- SCHMIEDEKNECHT, *Opuscula Ichneumonologica*, 1902-1927, 5 volumes, 3,570 pages. Contains a treatment of all European species and relatively good keys to genera. It is the best general means of determining ichneumonid genera, but the publication is scarce and very expensive. Besides the

initial five volumes there are a number of supplementary ones which are largely a rewriting of the first five.

TOWNES, *Lloydia*, 1939, 1: 168-231. Revision of the Nearctic species of *Netelia*.

TOWNES, In Comstock; An Introduction to Entomology, ninth edition, 1940, pp. 922-929. Key to the subfamilies (as recognized in the past) and a general account of the Ichneumonidae.

TOWNES, *Ann. Ent. Soc. Amer.*, 1940, 33: 283-323. Revision of the Echthromorphini and Theroniini of eastern Nearctic America.

VIERECK, *Bull. U. S. Nat. Mus.*, 1914, 83: 1-186; (supplement, *Proc. U. S. Nat. Mus.*, 1921, 59: 129-150). A list of all genera of Ichneumonoidea with the genotype and reference to the original description of each.

VIERECK, *Bull. Conn. Geol. Nat. Hist. Surv.*, 1917, 22: 216, 243-360, 766-767. Taxonomic treatment of the Connecticut Ichneumonidae. Notice of this paper is included to warn students from trying to use it. Its incompleteness and inadequacies make it a stumbling block.

VIERECK, *Canad. Ent.*, 1925, 57: 176-181, 198-204, 223-228, 296-303; 1926, 58: 2-8, 30-38, 71-78, 122-130, 143-149, 176-182, 196-201, 219-225, 257-260, 276-283. Revision of the Canadian Campoplegini, except *Campoplegidea*. A highly artificial classification is presented and numerous species are described. The keys are largely unworkable.

WALLEY, *Scientific Agriculture*, 1940, 20: 639-734. Revision of the Nearctic species of *Campoplegidea*.

In addition, revisions of miscellaneous smaller genera will be found in the papers of Cushman and Walley. These may be located by referring to the species bibliographies.

Systematic Arrangement of the Nearctic Genera of Ichneumonidae

ICHNEUMONINAE

Ichneumonini	Lycorini
<i>Scambus</i>	<i>Toxophoroides</i>
<i>Alophosternum</i>	Eugaltini
<i>Calliephialtes</i>	<i>Poemenia</i>
<i>Ichneumon</i>	<i>Clistopyga</i>
<i>Iseropus</i>	<i>Diacritus</i>
<i>Tromatobia</i>	<i>Deuteroxorides</i>
<i>Zaglyptus</i>	Rhyssini
<i>Pseudorhyssa</i>	<i>Rhyssa</i>
<i>Delomerista</i>	<i>Rhyssella</i>
<i>Perithous</i>	<i>Megarhyssa</i>
Polysphinctini	Theroniini
<i>Zabrachypus</i>	<i>Theronia</i>
<i>Oxyrrhexis</i>	Labenini
<i>Zatypota</i>	<i>Labena</i>
<i>Colpomeria</i>	<i>Grotea</i>
<i>Acrodactyla</i>	Xoridini
<i>Polysphincta</i>	<i>Xorides</i>
<i>Hymenopimecis</i>	<i>Odontocolon</i>
<i>Schizopyga</i>	<i>Aplomerus</i>
Echthromorphini	Acoenitini
<i>Coccygomimus</i>	<i>Coleocentrus</i>
<i>Ephialtes</i>	<i>Arotes</i>
<i>Itopectis</i>	

TRYPHONINAE

Thymaridini	<i>Notomeris</i>
<i>Eclytus</i>	Idiogrammatini
<i>Neliopisthus</i>	<i>Idiogramma</i>
<i>Thymaris</i>	Tryphonini
<i>Campothreptus</i>	<i>Grypocentrus</i>
<i>Hybophanes</i>	<i>Polyblastus</i>
<i>Atopotrophos</i> *	<i>Labroctonus</i>
Phytodietini	<i>Scopiorus</i>
<i>Phytodietus</i>	<i>Erromenus</i>
<i>Netelia</i>	<i>Tryphon</i>
Boethini	<i>Dyspetes</i>
<i>Boethus</i>	<i>Cosmoconus</i>
Adelognathini	<i>Catocentrus</i>
<i>Adelognathus</i>	<i>Thibetoides</i>
<i>Cnemischys</i>	

* This genus will be found on page 174.

Exenterini
Exenterus
Acrotomus
Cteniscus

Eridolius
Diaborus
Smicroplectrus
Exyston

CRYPTINAE

Hemitelini
Bathythrix
Amydraulax
Mastrus
Apotemnus
Otacustes
Ethelurgus
Stiboscopus
Acrolyta
Isdromas
Idemum
Alegina
Cyrtobasis
Diaglyptidea
Phobetes
Haplaspis
Anurotropus
Gelis
Arachnoleter
Myersia
Thaumatotypidea
Hemiteles
Gnypetomorpha
Hedylus
Sternocryptus
Endasys
Eriplanus
Phygadeuon
Iselix
Caenomeris
Stilpnus
Mesoleptus
Atractodes
Aptesini
Cubocephalus
Aptesis
Megaplectes

Schenkia
Giraudia
Polytribax
Rhembobius
Demopheles
Apsilops
Neostricklandia
Sphecophagini
Sphecophaga
Cryptini
Trychosis
Gambrus
Agrothereutes
Ischnus
Chromocryptus
Lymeon
Acerastes
Polistiphaga
Christolia
Compsocryptus
Cryptus
Pycnocryptus
Listrognathus
Mesostenus
Derocentrus
Cryptanura
Polycyrtus
Xylophrurus
Echthrus
Agonocryptus
Mallochia
Cryptohelcostizus
Helcostizus
Messatoporus
Polycyrtidea
Joppidium
Acroricnus

PHAEOGENINAE

Phaeogenini	<i>Plagiotrypes</i>
<i>Phaeogenes</i>	<i>Melanichneumon</i>
<i>Diadromus</i>	<i>Cratichneumon</i>
<i>Rhexidermus</i>	<i>Aoplus</i>
<i>Centeterus</i>	<i>Patroclus</i>
<i>Colpognathus</i>	<i>Anisopygus</i>
<i>Dicaelotus</i>	<i>Exephanes</i>
<i>Stenodontus</i>	<i>Ectopimorpha</i>
Platylabini	<i>Chasmias</i>
<i>Apaeleticus</i>	<i>Pseudamblyteles</i>
<i>Cyclolabus</i>	<i>Amblyteles</i>
<i>Platylabus</i>	<i>Spilichneumon</i>
<i>Pristiceros</i>	<i>Ctenichneumon</i>
<i>Thaumatoteles</i>	<i>Tricholabus</i>
<i>Hypomecus</i>	<i>Pterocormus</i>
<i>Ectopius</i>	Protichneumonini
Listrodromini	<i>Coelichneumon</i>
<i>Anisobas</i>	<i>Protichneumon</i>
<i>Neotypus</i>	<i>Amblyjoppa</i>
Ischnojoppini	Trogini
<i>Trogomorpha</i>	<i>Catadelphus</i>
Acanthojoppini	<i>Gnamptopelta</i>
<i>Pseudoplatylabus</i>	<i>Callajoppa</i>
Eurylabini	<i>Tricyphus</i>
<i>Probolus</i>	<i>Conocalama</i>
Amblytelini	<i>Macrojoppa</i>
<i>Hoplismenus</i>	<i>Trogus</i>

LISSONOTINAE

Glyptini	<i>Trevoria</i>
<i>Glypta</i>	<i>Cryptopimpla</i>
Lissonotini	<i>Asphragis</i>
<i>Amersibia</i>	<i>Syzeuctus</i>
<i>Arenetra</i>	Banchini
<i>Lampronota</i>	<i>Exetastes</i>
<i>Asymmictus</i>	<i>Agathilla</i>
<i>Lissonota</i>	<i>Ceratogastra</i>
<i>Pimplopterus</i>	<i>Banchus</i>

MESOLEIINAE

Scolobatini	<i>Trematopygus</i>
<i>Scolobates</i>	<i>Oocenteter</i>
Eucerosini	<i>Rhorus</i>
<i>Euceros</i>	<i>Pion</i>
io nini	

Ctenopelmatini	<i>Mesoleius</i>
<i>Ctenopelma</i>	<i>Lamachus</i>
<i>Xenoschesis</i>	<i>Saotis</i>
<i>Homaspis</i>	Euryproctini
<i>Notopygus</i>	<i>Synomelix</i>
Mesoleiini	<i>Dialges</i>
(Perilissina)	<i>Mesoleptidea</i>
<i>Opheltes</i>	<i>Polyterus</i>
<i>Perilissus</i>	<i>Syndipnus</i>
<i>Absyrtus</i>	<i>Hypamblys</i>
<i>Labrossyta</i>	<i>Troctonus</i>
<i>Laphyrosopus</i>	<i>Hyperallus</i>
<i>Lathrolestes</i>	<i>Anisotacrus</i>
<i>Synoecetes</i>	<i>Hadrodactylus</i>
<i>Gnesia</i>	<i>Euryproctus</i>
(Mesoleiina)	Callidiotini
<i>Protarchus</i>	<i>Callidiotes</i>
<i>Himerta</i>	

PLECTISCINAE

<i>Allomacrus</i>	<i>Helictes</i>
<i>Cylloceria</i>	<i>Aniseres</i>
<i>Blapticus</i>	<i>Proclitus</i>
<i>Calastenus</i>	<i>Plectiscidea</i>
<i>Dallatorrea</i>	<i>Pantisarthrus</i>
<i>Symplecis</i>	<i>Aperileptus</i>
<i>Eusterinx</i>	<i>Microleptes</i>
<i>Megastylus</i>	<i>Hyperacmus</i>

ORTHOCENTRINAE

<i>Orthocentrus</i>	<i>Mnesidacus</i>
<i>Picrostigeus</i>	<i>Stenomacrus</i>
<i>Neurateles</i>	<i>Leipaulus</i>

DIPLAZONINAE

<i>Diplazon</i>	<i>Syrphoctonus</i>
<i>Zootrephus</i>	<i>Phthorima</i>
<i>Promethes</i>	<i>Enizemum</i>

METOPINIINAE

<i>Metopius</i>	<i>Colpotrochia</i>
<i>Pseudometopius</i>	<i>Triclistus</i>
<i>Chorinaeus</i>	<i>Hypsicera</i>
<i>Spudaeus</i>	<i>Exochus</i>
<i>Periope</i>	

OPHIONINAE

Campoplegini	<i>Areolopristomerus</i>
<i>Pyracmon</i>	<i>Eiphosoma</i>
<i>Nemeritis</i>	Tersilochini
<i>Cymodusa</i>	<i>Leptopygus</i>
<i>Cymodusopsis</i>	<i>Cratophion</i>
<i>Campoplex</i>	<i>Barycnemis</i>
<i>Nythobia</i>	<i>Tersilochus</i>
<i>Idechthis</i>	<i>Heterocola</i>
<i>Casinaria</i>	Unplaced species
<i>Zastenomorpha</i>	Anomalini
<i>Fiebrigia</i>	(Anomalina)
<i>Zacharops</i>	<i>Anomalon</i>
<i>Bathyplectes</i>	<i>Neogreeneia</i>
<i>Biolysia</i>	(Ophionellina)
<i>Campoletis</i>	<i>Ophionellus</i>
<i>Ecphoropsis</i>	(Ophiopterina)
<i>Spudastica</i>	<i>Ophiopterus</i>
<i>Campoplegidea</i>	(Aphanistina)
<i>Nepiera</i>	<i>Trichomma</i>
<i>Phobocampe</i>	<i>Aphanistes</i>
<i>Horogenes</i>	<i>Erigorgus</i>
<i>Hyposoter</i>	<i>Labrorychus</i>
<i>Campoctonus</i>	<i>Atrometus</i>
<i>Olesicampe</i>	Unplaced species
<i>Benjaminia</i>	(Therionina)
<i>Charopsimorpha</i>	<i>Therion</i>
Cremastini	<i>Heteropelma</i>
<i>Dimophora</i>	Ophionini
<i>Pristomerus</i>	<i>Ophion</i>
<i>Zaleptopygus</i>	<i>Enicospilus</i>
<i>Pseuderipternus</i>	<i>Rhynchoption</i>
<i>Dolichopselephus</i>	<i>Thyreodon</i>
<i>Cremastus</i>	

MESOCHORINAE

<i>Cidaphus</i>	<i>Mesochorus</i>
<i>Astiphromma</i>	

UNPLACED GENERA

<i>Brachycyrtus</i>	<i>Orthopelma</i>
<i>Neorhacodes</i>	<i>Phrudus</i>

UNPLACED SPECIES

NOMINA NUDA

SYSTEMATICALLY ARRANGED CATALOGUE OF THE
NEARCTIC SPECIES

Subfamily 1. ICHNEUMONINAE

Tribe 1. ICHNEUMONINI

SCAMBUS Hartig

Scambus Hartig, Jahrsb. Fortschr. Forst., 1838, 1: 267.

Genotype: *Pimpla* (*Scambus*) *sagax* Hartig.

Tromera Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: *Pimpla pomorum* Ratzeburg.

Epiurus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Preoccupied by Rafinesque, 1815.

Genotype: *Pimpla brevicornis* Gravenhorst.

Troctocerus Woldstedt, Ueber Eine Samml. Schles. Ichneum., 1876, p. 696.

Genotype: *Troctocerus elegans* Woldstedt.

Ateleophadnus Cameron, Invert. Pacifica, 1905, 1: 127. New Synonymy.

Genotype: (*Ateleophadnus bicarinata* Cameron) = *pterophori* Ashmead.

Pseudopoemenia Kiss, Verh. Mitt. Siebenb. Ver. Naturw., 1924, 72-74: 91.

Genotype: (*Pseudopoemenia annulata* Kiss) = *calobata* Gravenhorst.

Endromopoda Hellén, Notul. Ent., 1939, 19: 56. New Synonymy.

Genotype: *Pimpla melanopyga* Gravenhorst.

Scambus alboricta (Cresson) *

Pimpla alboricta Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♂. [key, o.d., Del. (A.N.S.P.), Pa.]

Pimpla investigatrix Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 142. ♀. [o.d., ?Ill: (Type destroyed)]

Pimpla alboricta Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 143. ♂. [des.]

Pimpla alboricta Provancher, Nat. Canad., 1880, 12: 39. (Faune, p. 460.) ♂, ♀. [key, des., Que.]

Pimpla alboricta Weed, Psyche, 1888, 5: 52. [host f]

Pimpla alboricta Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pimpla alboricta Nason, Ent. News, 1905, 16: 171. [Ill.]

Pimpla investigatrix Nason, Ent. News, 1905, 16: 171. [Ill.]

Epiurus alborictus Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 84. [key, United States]

Scambus (*Iseropus*) *inquisitoriellus* var. *investigator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321. [key, Conn.]

Scambus (*Tromatobia*?) *alborictus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]

Iseropus alboricta Webster, Bull. Ia. Agr. Exp. Sta., 1918, 179: 256. [host c, Ia.]

* See footnote on page 9.

- Epiurus alborictus* Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *b*, N.Y.]
Epiurus alboricta Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Epiurus alborictus Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]
Epiurus alboricta Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
Scambus (Epiurus) alborictus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *a b d e*, N.Y.]
Epiurus alborictus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Epiurus alborictus Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
Epiurus alborictus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts & Letters, 1939, 16: 61. [Ut.]
Scambus alborictus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

TORTRICIDAE: *a*, *Archips argyrospila*; *b*, *Argyrotaenia pinatubana*. OLETHREUTIDAE: *c*, *Ancyliis comptana*; *d*, *Episimus argutatus*. PHALAENIDAE: *e*, *Zotheca tranquilla*. Miscellaneous: *f*, lepidopterous leaf roller on *Platanus occidentalis*.

Scambus aplopappi (Ashmead) new combination

- Pimpla aplopappi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 446. ♂. [o.d., host *c*, Los Angeles, Calif. (U.S.N.M.)]
Epiurus aplopappi Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host *a*, Neb.]
Epiurus aplopappi Lange, Bull. So. Cal. Acad. Sci., 1937, 36: 29. [host *b*, Calif.]

OLETHREUTIDAE: *a*, *Rhyacionia frustana bushnelli*; *b*, *Rhyacionia pasadenana*. Miscellaneous: *c*, lepidopterous gall on *Haplopappus squarrosus*.

Scambus atrocoxalis (Ashmead) new combination

- Epiurus atrocoxalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]
Epiurus atrocoxalis Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

TORTRICIDAE: *a*, *Archips fumiferana*.

Scambus detritus (Holmgren) new combination

- Pimpla detrita* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2, no. 10: 23. ♂, ♀. [o.d., numerous localities in Sweden (? Stockholm Mus.)].
Epiurus detritus Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 87. [key, syn., Europe, western Canada (in part).]

Scambus ephialtoides Cushman

- Scambus ephialtoides* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 466. ♂, ♀. [o.d., host *a*, Coletsin, Ore. (U.S.N.M.), Calif., Mont.]
 OLETHREUTIDAE: *a*, *Barbara colfaxiana siskiyouana*.

Scambus euurae (Ashmead) new combination

- Pimpla euurae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♀. [o.d., host *b*, Calif. (U.S.N.M.)]
Pimpla euurae Marlatt, Proc. Ent. Soc. Wash., 1894, 3: 264. [host *b*]
Epiurus euurae Essig, Insects of Western N. Amer., 1926, p. 796. [des., host *a*, Calif.]

Epiurus euurae Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host *c*, Me.]

TENTHREDINIDAE: a, *Nematus californicus*; b, *Nematus pyriformis*. Miscellaneous: c, sawfly leaf gall on *Salix* sp.

Scambus evetriverus Rohwer

Scambus evetriverus Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 225. ♀. [o.d., host *a*, Fort Bayard, N.M. (U.S.N.M.)]

OLETHREUTIDAE: a, *Rhyacionia frustrana bushnelli*.

Scambus hirticauda (Provancher)

Pimpla hirticauda Provancher, Addit. Faune Canada, Hymén., 1886, p. 116.

♀. [o.d., "Ottawa, Ont." [more probably from southern Calif.] (M.P.Q.)]

Scambus hirticauda Townes, Ann. Ent. Soc. Amer., 1940, 33: 323. [syn., des.]

Scambus hispae (Harris) new combination

Ichneumon Hispae Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.] Nomen nudum.

Ichneumon hispae Harris, Jour. Boston Soc. Nat. Hist., 1835, 1: 149-150. ♀. [o.d., biol., host *a b*, ?Mass. (M.C.Z.)]

Cryptus hispae Harris, Rpt. Geol. Min. Bot. Zool. Mass., ed. 2, 1835, p. 584. [syn.]

Pimpla indagatrix Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., Ill. (A.N.S.P.), Pa.] New synonymy.

Pimpla indagatrix Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]

Pimpla indagatrix Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host *cc*]

Pimpla? *indagatrix* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 141. ♂. [des.]

Pimpla indagatrix Provancher, Nat. Cand., 1880, 12: 39; (Faune, p. 460). ♂, ♀. [key, des., Que.]

Pimpla indagatrix Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

Pimpla minuta Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 41. ♂. [o.d., host *s*, Urbana, Ill. (I.N.H.S.)] New synonymy.

Pimpla gossypii Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., host *u*, Selma, Ala. (U.S.N.M.)] New synonymy.

Pimpla indagatrix Riley and Howard, Insect Life, 1891, 3: 461. [host *d r*, D.C., Mo.]

Pimpla indagatrix Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pimpla indagatrix Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *v ff*, N.H.]

Pimpla indagatrix Slosson, Entom. News, 1900, 11: 320. [N.H.]

Pimpla indagatrix Weed and Newell, Bull. U. S. Dept. Agr., Div. Ent., 1902, 31: 89. [Ohio]

Pimpla indagatrix Nason, Entom. News, 1905, 16: 171. [Ill.]

- Pimpla (Epiurus) nigrifrons* Viereck, Proc. Ent. Soc. Wash., 1909, 11: 211.
♂, ♀. [o.d., no locality given (U.S.N.M.)] New synonymy.
- Epiurus indagator* (!) var. *nigrifrons* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *z*, Pa.]
- Epiurus innominatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. ♀.
[o.d., host *p*, Esquimaux, B.C. (U.S.N.M.)] New synonymy.
- Epiurus indigator* (!) Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102.
[host *o*]
- Epiurus detritus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 87. [key, syn., Europe, western Canada (in part)]
- Scambus (Eremochila) indagator* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key, syn.]
- Scambus indagator* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]
- Eremochila indagator* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]
- Epiurus indagator* (!) Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *k*, Mich.]
- Scambus indagatrix* Payne, Proc. Ent. Soc. N. Scot., 1918, 3: 60, 67. [host *ii jj*]
- Epiurus indagator* (!) Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *q*, N.Y.]
- Epiurus indagator* (!) Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host *r*, Mo.]
- Scambus indagator* (!) Champlain, Psyche, 1922, 29: 97. [host *ee*, Pa.]
- Epiurus indagator* (!) Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host *i*, Conn.]
- Epiurus indagator* (!) Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *x*, Ark.]
- Epiurus indagator* (!) Newcomer and Whitcomb, Bull. U. S. Dept. Agr., 1924, 1235: 72. [host *x*, Wash.]
- Epiurus indagator* (!) Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *r*, Pa.]
- Epiurus indagator* (!) Schott, Jour. N. Y. Ent. Soc., 1925, 33: 54. [host *i*, N.J.]
- Epiurus indagator* (!) Balduf, Canad. Ent., 1926, 58: 140. [biol., host *mm*, Ill.]
- Epiurus indagator* (!) Stearns, Ann. Rpt. N. J. Agr. Exp. Sta., 1927, 47: 191.
[host *y*, N.J.]
- Epiurus indagator* (!) Cushman, Jour. Agr. Res., 1927, 34: 616. [biol., host *bb*, Va.]
- Epiurus nigrifrons* Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N. Y.]
- Epiurus indagator* (!) Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N. Y.]
- Epiurus indagator* (!) Poos, Proc. Ent. Soc. Wash., 1928, 30: 147. [host *l m*, Va.]
- Scambus (Epiurus) nigrifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *ii*, N.Y.]
- Scambus (Epiurus) indagator* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *h i j q x z cc dd ee*, N.Y.]

- Epiurus indagator* (!) McConnell, Bull. Md. Agr. Exp. Sta., 1928, 298: 180. [biol., host y, Md.]
- Epiurus indagator* (!) Haeussler, Jour. Agr. Res., 1930, 41: 366. [host y, N.J.]
- Epiurus indagator* (!) Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host i, N.S.]
- Epiurus indagator* (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
- Epiurus innominatus* Mathers, Forestry Chron., 1932, 8: 156. [host p, B.C.]
- Epiurus indagator* (!) Knoll, Jour. Econ. Ent., 1932, 25: 1201. [host o]
- Epiurus indagator* (!) McConnell, Jour. Econ. Ent., 1932, 25: 368. [host y, Md.]
- Epiurus indagator* (!) Fink, Jour. Agr. Res., 1932, 44: 555. [host w, N.J.]
- Epiurus indagator* (!) Schedl, Canad. Ent., 1932, 64: 2. [host t, N.S.]
- Epiurus indagator* (!) Plumb and Friend, Bull. Conn. Agr. Exp. Sta., 1933, 347: 100. [host hh, Conn.]
- Epiurus indagator* (!) Merritt, Jour. Econ. Ent., 1933, 26: 790. [host y, Mich.]
- Epiurus indagator* (!) Daniel, Cox, and Crawford, Bull. N. Y. Agr. Exp. Sta., 1933, 635: 16. [host y, N.Y.]
- Epiurus indagator* (!) Friend and West, Bull. Yale Univ. School Forestry, 1933, 37: 51. [host aa, Conn.]
- Epiurus nigrifrons* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host ii, kk, N.H., N.J.]
- Epiurus indagator* (!) Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71. [host y, Ont.]
- Scambus (Epiurus) indagator* (!) Donner, Ann. Ent. Soc. Amer., 1936, 29: 226. [host f, Wis.]
- Epiurus indagator* (!) Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host y, Ohio]
- Epiurus indagator* (!) Pierson and Brown, Bull. Me. Forest Serv. & Me. Hardwood Assoc., 1936, 11: 28. [host ll, Me.]
- Scambus (Epiurus) indagator* (!) Doner, Summ. Doctoral Diss. Univ. Wis., 1937, 1: 28. [host f, Wis.]
- Epiurus indagator* (!) Balduf, Proc. Ent. Soc. Wash., 1937, 39: 178. [biol., host a, Ill.]
- Epiurus indagator* (!) Summerland, Trans. Kans. Acad. Sci., 1938, 40: 165. [host w, Kans.]
- Epiurus indagator* (!) Bedard, Canad. Ent., 1938, 70: 194. [Ida.]
- Epiurus indagator* (!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host g n gg, Me.]
- Epiurus indagator* (!) Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host e, W.Va.]
- Epiurus indagator* (!) Steiner and Worthley, Bull. Pa. State Col. Agr. Exp. Sta., 1941, 406: 12. [host e, Pa.]

CHRYSEMELIDAE: a, *Anoplitis inaequalis*; b, ?*Anoplitis rosea*. PSYCHIDAE: c, *Thyridopteryx ephemeraeformis*. COLEOPHORIDAE: d, ?*Coleophora cinerella*; e, *Coleophora mali-vorella*; f, *Coleophora pruniella*; g, *Coleophora salmani*; h, *Coleophora* sp. on wild cherry. GLYPHIPTERYGIDAE: i, *Anthophila pariana*. GELECHIIDAE: j, *Dichomeris ligulella*; k,

Filatima persicaeella; l, *Gnorimoschema operculella*; m, *Keiferia glochinella*; n, *Recurvaria thujaella*. TORTRICIDAE: o, *Archips argyrosipila*; p, *Archips fumiferana*; q, *Argyrotaenia pinatubana*; r, *Argyrotaenia velutinana*; s, *Peronea minuta*; t, *Peronea variana*; u, tortricid on fruit of *Gossypium hirsutum*; v, tortricid on *Myrica asplenifolia*. OLETHREUTIDAE: w, *Ancylis comptana*; x, *Carpocapsa pomonella*; y, *Grapholitha molesta*; z, *Polychrosis viteana*; aa, *Rhyacionia buoliana*; bb, *Rhyacionia frustrana*. PHYCITIDAE: cc, *Acrobasis juglandis*; dd, *Acrobasis* sp.; ee, *Mineola indiginella*. PYRALIDIDAE: ff, pyralidid? on *Betula alba*. PYRAUSTIDAE: gg, *Dicymolomia julianalis*. GEOMETRIDAE: hh, *Ennomos subsignarius*. LYMANTRIIDAE: ii, *Hemerocampa leucostigma*; jj, *Notolophus antiquus*. ARCTIIDAE: kk, *Halisidota tessellaris*. TENTHREDINIDAE: ll, *Phyllotoma nemorata*. CYNIPIDAE: mm, *Disholcaspis mamma*.

Scambus lithocolletidis (Ashmead) new combination

Pimpla lithocolletidis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♂. [o.d., host a, Alameda, Calif. (U.S.N.M.)]

GRACILARIIDAE: a, "*Lithocolletis*" sp. on *Grindelia robusta*.

Scambus pterophori (Ashmead)

Pimpla pterelas Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 133. ♀. [des.] Misdetermined.

Pimpla pterelas Provancher, Nat. Canad., 1873, 5: 452. [key, des., Que.] Misdetermined.

Pimpla pterelas Provancher, Nat. Canad., 1880, 12: 41; (Faune, p. 462). [key des.] Misdetermined.

Pimpla pterophori Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., host o, Los Angeles, Calif. (U.S.N.M.)]

Pimpla pterelas Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 69. [host a] Misdetermined.

Pimpla pterelas Riley and Howard, Insect Life, 1891, 3: 461. [host b i, D.C., Tex.] Misdetermined.

Pimpla pterelis (!) Fyles, Canad. Ent., 1892, 24: 35. [host c] Misdetermined.

Pimpla pterelis (!) Beach, Bull. Ia. Agr. Coll., Dept. Ent., 1892, 4: 16. [Ia.] Misdetermined.

Pimpla pterelas Hamilton, Ent. News, 1894, 5: 288. [biol., host a, Ont.] Misdetermined.

Colpomeria litoralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d., Mich. (A.N.S.P.), Canada, N.Y.]

Epiurus bicoloripes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♀. [key, o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.

Ateleophadnus bicarinata Cameron, Invert. Pacifica, 1903, 1: 128. ♀. [o.d., Ormsby Co., Nev. (B.M.)] New synonymy.

Pimpla pterelas Viereck, Trans. Amer. Ent. Soc., 1903, 29: 88. [N.M.] Misdetermined.

Pimpla pterelas Nason, Ent. News, 1905, 16: 171. [Ill.] Misdetermined.

Pimpla pteralis (!) Brodie, Ann. Rpt. Ent. Soc. Ont., 1907, 37: 5. [host g] Misdetermined.

- Tromatobia arundinator* Roman, Ent. Tidskr., 1910, 31: 195. [des., Ill.]
Mis-determined.
- Epiurus pterelas* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 86. ♂, ♀,
[key, des., Me.] Mis-determined.
- Pimpla pterelas* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57 [Que.] Mis-
determined.
- Epiurus pterophorae* (!) Newcomer, Bull. U. S. Dept. Agr., 1916, 265: 33.
[host *r*, Wash.]
- Scambus* (*Scambus*) *pterelas* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 320. [key, Conn.] Mis-determined.
- Epiurus pterophori* Vinal and Caffrey, Bull. Mass. Agr. Exp. Sta., 1919, 189:
58. [biol., host *p*, Mass.]
- Epiurus pterophori* Dickerson and Weiss, Jour. N. Y. Ent. Soc., 1920, 28: 47.
[host *e*, N.J.]
- Epiurus pterophori* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 18. [syn.]
- Scambus pterelas* Leiby, Jour. N. Y. Ent. Soc., 1922, 30: 93. [biol., host *b*,
N.Y.] Mis-determined.
- Epiurus pterophori* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
- Scambus* (*Epiurus*) *pterophori* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Epiurus pterophori* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]
- Epiurus pterophori* Wilder, Psyche, 1927, 34: 227-229. [fig., biol., host *b c d e p*,
N.Y.]
- Epiurus* (!) *pterophori* Drake and Decker, Cir. Ia. Agr. Exp. Sta., 1927, 103: 16.
[host *p*, Ia.]
- Scambus pterelas* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
Mis-determined.
- Epiurus pterophori* Myers, Jour. N. Y. Ent. Soc., 1927, 35: 244. [host *e*, N.Y.]
- Epiurus pterophori* Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N.Y.]
- Scambus* (*Epiurus*) *pterophori* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 942. [host *a b c d e i p*, N.Y.]
- Epiurus pterophori* Baldus, Ohio Jour. Sci., 1929, 29: 224-226. [biol., host *q*,
Ohio.]
- Scambus* (*Epiurus*) *bicoloripes* Johnson, Pub. Nantucket Maria Mitchell Ass.,
1930, 3, no. 2: 102. [Mass.]
- Scambus* (*Epiurus*) *pterophori* Johnson, Pub. Nantucket Maria Mitchell Ass.,
1930, 3, no. 2: 102. [Mass.]
- Epiurus pterophori* Decker, Jour. N. Y. Ent. Soc., 1932, 40: 509. [host *h*.]
- Epiurus pterophori* Putman, Canad. Ent., 1935, 67: 106, 107. [host *e h j l*, Ont.]
- Scambus pterophori* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [Me.]
- Epiurus pterophori* Putman, Canad. Ent., 1938, 70: 90. [host *j*, Ont.]
- Scambus pterelas* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *k*,
Conn.] Mis-determined.
- Epiurus bicoloripes* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts &
Letters, 1939, 16: 61. [host *f*, Ut.]

Epiurus pterophori Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts & Letters, 1939, 16: 61. [host *f*, Ut.]

Scambus (Epiurus) pterophori Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig., ♂ genitalia]

Epiurus bicoloripes Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 23, 67. [des., fig., biol., host *m n*, Calif.]

CURCULIONIDAE: *a*, *Mononychus vulpeculus*. GELECHIIDAE: *b*, *Gnorimoschema gal-laesolidaginis*; *c*, *Gnorimoschema gallaeasteriella*. COSMOPTERYGIDAE: *d*, *Stigmatophora ceanothiella*. MOMPIDAE: *e*, *Cyphophora eloisella*. OLETHREUTIDAE: *f*, *Ancyliis comp-tana*; *g*, *Carpocapsa pomonella*; *h*, *Epiblema otiosana*; *i*, *Epiblema scudderiana*; *j*, *Epiblema strenuana*; *k*, *Grapholitha molesta*; *l*, *Proteoteras aesculana*. PTEROPHORIDAE: *m*, *Platy-ptilia carduidactyla*; *n*, *Platyptilia williamsii*; *o*, "*Pterophorus*" sp. in stems of *Baccharis pilularis*. PYRAUSTIDAE: *p*, *Pyrausta nubilalis*. PHALAENIDAE: *q*, *Achatodes zeae*. TENTHREDINIDAE: *r*, *Ametastegia glabrata*.

Scambus tecumseh Viereck

Scambus (Scambus) tecumseh Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 320. ♀. [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)]

Scambus (Epiurus) tecumseh Champlain, Psyche, 1922, 29: 97. [host *a*, Pa.]

Scambus (Epiurus) tecumseh, Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Scambus (Epiurus) tecumseh Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.]

Scambus tecumseh Brimley, Insects of N. C., 1938, p. 411. [N.C.]

PYRAUSTIDAE: *a*, *Dicymolomia julianalis*.

Scambus transgressus (Holmgren) new combination

Pimpla transgressa Holmgren, Eugenes Resa Ins., 1868, p. 405. ♀. [o.d., Calif. (?Stockholm Mus.)]

Epiurus transgressus Roman, Ent. Tidskr., 1910, 31: 160. [des.]

ALOPHOSTERNUM Cushman

Alophosternum Cushman, Proc. U. S. Nat. Mus., 1933, 82: 7.

Genotype: *Alophosternum foliicola* Cushman.

Alophosternum foliicola Cushman

Alophosternum foliicola Cushman, Proc. U. S. Nat. Mus., 1933, 82: 8. ♂, ♀. [o.d., host *a c*, Ashburnham, Mass. (U.S.N.M.), Me.]

Alophosternum foliicola Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *c*, Me.]

Alophosternum foliicola Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 409. [host *b c*, Me.]

ADELIDAE: *a*, *Paraclemensia* sp. GRACILARIIDAE: *b*, *Cameraria coryliella*. TENTHREDINIDAE: *c*, *Phyllotoma nemorata*.

CALLIEPHIALTES Ashmead

Calliephialtes Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 54.

Genotype: (*Pimpla xanthothorax* Ashmead) = *grapholithae* Cresson.

Calliephialtes comstockii (Cresson)

Ephialtes comstockii Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 235.

♀. [o.d., host *d*, Ithaca, N.Y. (U.S.N.M.)]

Calliephialtes comstocki Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

Ichneumon (Calliephialtes) comstocki Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key, des.]

Calliephialtes comstockii Houser, Bull. Ohio Agr. Exp. Sta., 1918, 332: 325. [host *a*, Ohio]

Ichneumon comstocki Champlain, Psyche, 1922, 29: 98. [host *d*, Pa.]

Calliephialtes comstockii Cushman, Jour. Agr. Res., 1927, 34: 616. [biol., host *f*, Va.]

Ichneumon (Calliephialtes) comstockii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *c d e f*, N.Y.]

Calliephialtes comstocki Barnes, Internatl. Cong. Ent. Ithaca, N.Y., 1928, 4: 413. [host *a*]

Calliephialtes comstockii Taylor, Ent. Amer., 1929, 10: 36. [host *a b h*, Conn., Mass., N.H., N.Y.]

Ichneumon (Calliephialtes) comstockii Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

Calliephialtes comstockii MacAloney, Bull. N.Y. State Col. Forestry, 1930, 3, no. 1 (Tech. Pub. no. 28): 50. [host *a*]

Calliephialtes comstocki Friend and West, Bull. Yale Univ. School Forestry, 1933, 37: 51. [host *e*, Conn.]

Calliephialtes comstocki Friend, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 52. [host *e*, Conn.]

Calliephialtes comstocki Friend and Hicock, Jour. Econ. Ent., 1936, 29: 213. [host *e*, Conn.]

Calliephialtes comstocki Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host *c*, Me.]

Ichneumon comstocki Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Calliephialtes comstockii Bedard, Canad. Ent., 1938, 70: 195. [Ida.]

Calliephialtes comstockii Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *e*, B.C.]

CURCULIONIDAE: *a*, *Pissodes strobi*; *b*, curculionid. OLETHREUTIDAE: *c*, *Barbara colfaxiana taxifoliella*; *d*, *Petrova comstockiana*; *e*, *Rhyacionia buoliana*; *f*, *Rhyacionia frustana*. PHYCITIDAE: *g*, *Dioryctria zimmermani*; *h*, *Dioryctria* sp.

Calliephialtes dolichosoma (Viereck) new combination

Ephialtes dolichosoma Viereck, Proc. U. S. Nat. Mus., 1912, 42: 637. ♀. [o.d., Tryon, N.C. (U.S.N.M.)]

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Calliephialtes grapholithae (Cresson)

- Pimpla grapholithae* Cresson, Ent. News, 1890, 1: 50. ♂, ♀. [o.d., host *d*, Mo. (A.N.S.P.)]
- Pimpla xanthothorax* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 446. ♀. [o.d., host *h*, Kirkwood, Mo. (U.S.N.M.)]
- Pimpla grapholithae* Hamilton, Ent. News, 1890, 1: 49. [biol., host *d*]
- Calliephialtes xanthothorax*, Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 54. [syn.]
- Calliephialtes xanthothorax* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 13. [key, des.]
- Calliephialtes grapholithae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 133. [syn.]
- Scambus* (*Calliephialtes*) *grapholithae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key, host *d*]
- Calliephialtes grapholithae* Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *e*, Fla.]
- Calliephialtes grapholithae* Worsham, Bull. Ga. State Bd. Ent., 1917, 48: 25. [host *d*, Ga.]
- Calliephialtes grapholithae* Gill, Bull. U. S. Dept. Agr., 1925, 1303: 11. [host *f*, Fla.]
- Scambus grapholithae* Leiby, Bull. N. C. Dept. Agr., Feb. 1925, p. 9. [host *e*]
- Calliephialtes grapholithae* Bottimer, Jour. Agr. Res., 1926, 33: 803. [host *g*, Tex.]
- Calliephialtes grapholithae* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *c*, N.J.]
- Ichneumon* (*Calliephialtes*) *grapholithae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *d f h*, N.Y.]
- Calliephialtes grapholithae* Haeussler, Jour. Agr. Res., 1930, 41: 366, 376. [host *c*, N.J., Pa.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59. [host *c*, Ont.]
- Calliephialtes grapholithae* (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67. [biol., host *c*, Ont.]
- Calliephialtes grapholithae* Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *c*, N.Y.]
- Calliephialtes grapholithae* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *c*, Mich.]
- Calliephialtes grapholithae* Putman, Canad. Ent., 1935, 67: 107. [host *d*, Ont.]
- Calliephialtes grapholithae* Putman, Canad. Ent., 1935, 67: 48. [host *d*, Ont.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *c*, Ont.]

- Calliephialtes grapholithae* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44.
[host *b*, S.C.]
Calliephialtes grapholithae Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26.
[host *c*, Ohio]
Ephialtes grapholithae Peck, Canad. Jour. Res., 1937 D, 15: 248, 249, 252.
[fig. ♂ genitalia]
Ichneumon grapholithae Brimley, Insects of N.C., 1938, p. 411. [host ?*e*, N.C.]
Calliephialtes grapholithae Webb and Alden, Jour. Econ. Ent., 1940, 33: 434.
[host *a*]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Epiblema strenuana*; *c*, *Grapholitha molesta*; *d*, *Laspeyresia caryana*. PHYCITIDAE: *e*, *Acrobasis juglandis*; *f*, *Acrobasis* sp. THYRIDIDAE: *g*, *Meskea dyspteraria*. TENTHREDINIDAE: *h*, *Euura salicis-nodus*.

***Calliephialtes notandus* (Cresson)**

- Pimpla notanda* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♂, ♀. [key, o.d., Pa. (A.N.S.P.), Colo., N.J.]
Pimpla notanda Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]
Ephialtes notanda Riley, Ann. Rpt. Insects Mo., 1877, 9: 98. [biol.]
Pimpla notanda Weed, Psyche, 1888, 5: 51. [host *d*, Ohio]
Pimpla notanda Riley and Howard, Insect Life, 1888, 1: 161. [host *g i*]
Pimpla notanda Riley and Howard, Insect Life, 1891, 3: 462. [host *a c d h*, Calif., D.C., Md., Mo., N.J., Tex., Va.]
Pimpla notanda Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
Pimpla notanda Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]
Exeristes notanda Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 26. [key, des., Tex.]
Scambus (*Scambus*) *notandus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 320. [key, Conn.]
Calliephialtes notanda Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host *d*, N.Y., N.C.]
Pimpla notanda Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
Ichneumon (*Calliephialtes*) *notandus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *b c d e*, N.Y.]
Pimpla notanda Schopp, Jour. Kans. Ent. Soc., 1931, 4: 35. [Kans.]
Calliephialtes notandus Montgomery, Canad. Ent., 1933, 65: 187. [host *d*, Ind.]
Calliephialtes notanda Rice, Trans. Peninsula Hort. Soc., 1936, 25: 92. [host *f*, Del.]
Ichneumon notanda Brimley, Insects of N.C., 1938, p. 411. [host *d*, N.C.]

PRODOXIDAE: *a*, ?*Prodoxus quinquepunctellus*. GELECHIIDAE: *b*, *Gnorimoschema baccharisella*; *c*, *Gnorimoschema gallaeasteriella*; *d*, *Gnorimoschema gallaesolidaginis*. MOMPHIDAE: *e*, *Walshia amorphella*. OLETHREUTIDAE: *f*, *Epiblema strenuana*; *g*, *Proteoteras aesculana*. PAPILIONIDAE: *h*, *Papilio troilus*. Miscellaneous: *i*, leaf roller on *Robinia pseudoacacia*.

Calliephialtes nubilipennis (Viereck)

Exeristes nubilipennis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀.
[o.d., host *b*, Columbia Falls, Mont. (U.S.N.M.)]

Exeristes hyalinipennis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀.
[o.d., host *b*, Columbia Falls, Mont. (U.S.N.M.)] New synonymy.

Calliephialtes nubilipennis Taylor, Ent. Amer., 1929, 10: 26-30, 68. [des., biol.,
host *a*, Me., Mass., Mich., Pa.]

Calliephialtes nubilipennis MacAloney, Bull. N.Y. State Col. Forestry, 1930,
vol. 3, no. 1 (Tech. Pub., no. 28): 50. [host *a*]

CURCULIONIDAE: *a*, *Pissodes strobi*; *b*, *Pissodes* sp.

Calliephialtes nucicola Cushman

Calliephialtes nucicola Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 5.
♂, ♀. [o.d., host *a b*, Saticoy, Calif. (U.S.N.M.)]

Calliephialtes nucicola Barrett, Jour. Econ. Ent., 1932, 25: 1111. [biol.]

Calliephialtes nucicola Dohanian, Jour. Econ. Ent., 1940, 33: 855. [host *c*,
Calif., Ore.]

MOMPHIDAE: *a*, *Walshia amorphella*. OLETHREUTIDAE: *b*, *Carpocapsa pomonella*;
c, *Melissopus latiferreanus*.

Calliephialtes petulca (Cresson) new combination

Pimpla petulca Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]

Pimpla petulca Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Exeristes petulca Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 26. ♀. [key,
des., Tex.]

Calliephialtes thurberiae Cushman

Calliephialtes thurberiae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 132. ♂,
♀. [o.d., host *a*, Santa Rita Mts., Ariz. (U.S.N.M.)]

CURCULIONIDAE: *a*, *Anthonomus grandis thurbiae*.

Calliephialtes stultor (Davis) new combination

Pimpla stultor Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d.,
Toronto, Ont. (A.N.S.P.)]

Calliephialtes variatipes (Provancher) new combination

Ephialtes variatipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 114.
♂. [o.d., Ottawa, Ont. (C.N.C.)]

Ephialtes macer Davis, Canad. Ent., 1895, 27: 290. [syn. (in part)]

Ephialtes variatipes Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.,
Ont.]

Calliephialtes benefactor Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 6.
♂, ♀. [o.d., host *a*, Burlington, N.J. (U.S.N.M.), Pa.] New synonymy *

* This synonymy is based on a comparison made with the type of *variatiipes* by Mr.
G. S. Walley.

Calliephialtes benefactor McConnell, Jour. Econ. Ent., 1932, 25: 368. [host *a*, Md.]

Calliephialtes benefactor Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *a*, N.Y.]

Calliephialtes benefactor McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *a*, Md.]

Ichneumon variatipes Walley, Canad. Ent., 1937, 69: 116. [syn.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

ICHNEUMON Linnaeus

Ichneumon Linnaeus, System. Nat., Ed. 10, 1758, p. 343, 560.

Genotype: (*Pimpla manifestator* Fabricius) = *manifestator* Linnaeus.

Ephialtes of authors, not of Schrank

Pimpla Fabricius, System. Piez., 1804, p. 112.

Genotype: *Ichneumon manifestator* Linnaeus.

Closterocerus Hartig, Ber. Naturw. Ver. Harz., (1846) 1847, p. 18. Preoccupied by Westwood 1833. New synonymy.

Genotype: *Closterocerus sericeus* Hartig

Diclostercerus Viereck, Bull. U. S. Nat. Mus., 1914, 83: 45. New name for *Closterocerus* Hartig.

Exeristoidea Viereck, Canad. Ent., 1924, 56: 202.

Genotype: (*Ichneumon (Exeristoidea) watsoni* Viereck) = *cephalotes* Holmgren.

Ichneumon brevis (Morley) new combination

Ephialtes brevis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 23. ♀. [key, o.d., District of Hudson Bay (B.M.)]

Ichneumon cephalotes (Holmgren) new combination

Ephialtes cephalotes Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2 no. 10: 13. ♀. [o.d., "in Ostrogothia ad Gusum," Sweden (Stockholm Mus.)]

Ichneumon (Exeristoidea) watsoni Viereck, Canad. Ent., 1924, 56: 202. ♀. [o.d., Aylmer, Que. (C.N.C.)]

Ephialtes cephalotes Roman, Ent. Tidskr., 1938, 59: 35. [syn., des., Canada, Sweden (reference not seen)]

Ichneumon gigas (Walsh) new combination

Ephialtes gigas Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 110. ♀. [o.d., ?Ill. (type destroyed)]

Ephialtes gigas Provancher, Nat. Canad., 1880, 12: 19; (Faune p. 451). [key, des., Que.]

Ephialtes gigas Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [W.Va.]

Ephialtes gigas Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Ephialtes gigas Slosson, Ent. News, 1902, 13: 5. [N.H.]

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Ephialtes gigas Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Que.]

Ephialtes tuberculatus Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 20. [key, syn., Lake Huron, N.S. (in part)]

Ephialtes gigas Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Ichneumon imperator (Kriechbaumer) new combination

Ephialtes imperator Kriechbaumer, Stettin. Ent. Ztg., 1854, 15: 156. ♀. [o.d., Germany (location of type unknown)]

Ephialtes occidentalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 269. ♀. [o.d. Colo. (A.N.S.P.)] New synonymy

Ephialtes occidentalis Provancher, Nat. Canad., 1873, 5: 449. [Que.]

Ephialtes occidentalis Provancher, Nat. Canad., 1880, 12: 19; (Faune p. 451). [key, des.]

Ephialtes occidentalis Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

Ephialtes occidentalis Slosson, Ent. News, 1898, 9: 253. [N.H.]

Ephialtes occidentalis Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.]

Ephialtes manifestator Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 19. [key, syn. (in part), des., Calif., Europe]

Ichneumon (Ichneumon) occidentalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]

Ichneumon occidentalis Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Ichneumon irritator Fabricius

Ichneumon irritator Fabricius, System. Ent., 1775, p. 336. ♀. [o.d., America (British Mus.)]

Ichneumon irritator Christ, Naturgesch. Class. u. Nomenc. der Ins., 1791, p. 362. [des.]

Pimpla irritator Fabricius, System. Piez., 1804, p. 115. [syn.]

Pimpla irritator Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]

Ephialtes irritator Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 81. ♀. [des., Carolina]

Ephialtes irritator Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 112. ♀. [des.]

Ephialtes irritator Provancher, Nat. Canad., 1875, 7: 312. [Que.]

Ephialtes irritator Provancher, Nat. Canad., 1880, 12: 21; (Faune p. 453). [key, des.]

Ephialtes irritator Juelich, Ent. Amer., 1887, 3: 123. [host *h*, N.Y.]

Ephialtes irritator Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Ephialtes irritator Riley and Howard, Insect Life, 1891, 3: 461. [host *g*]

Ephialtes irritator Chittenden, Insect Life, 1893, 5: 247. [biol., host *e*, D.C.]

Ephialtes irritator Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ephialtes irritator Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.J.]

Ephialtes irrorator (!) Howard, The Insect Book, 1902, pl. 10, fig. 8

- Ephialtes irritator* Nason, Ent. News, 1905, 16: 171. [Ill.]
Ephialtes irritator Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. [Kans.]
Ephialtes irritator Morley, Ent. 1909, 42: 135. [notes on type]
Ephialtes irritator Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.]
Ephialtes irritator Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 17. [key, syn., des., Mexico, Mich., N.Y. (in part)]
Ichneumon irritator Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key, Conn.]
Ichneumon irritator Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
Ichneumon irritator Champlain, Psyche, 1922, 29: 98. [host *a b*, Pa.]
Ichneumon irritator Blackman and State, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 179. [host *d*, N.Y.]
Ichneumon (Ichneumon) irritator Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
Ichneumon irritator Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
Ichneumon (Ichneumon) irritator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *e f h*, N.Y.]
Ichneumon irritator MacAndrews, Ann. Rpt. Ent. Soc. Ont., 1933, 63: 50. [biol., host *c*, N.Y.]
Ichneumon irritator Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [Conn.]
Ichneumon irritator Brimley, Insects N.C., 1938, p. 411. [N.C.]
Ichneumon irritator Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737 [fig. ♂ genitalia]

BUPRESTIDAE: *a*, *Chrysobothris* sp. CERAMBYCIDAE: *b*, *Cyllene caryae*; *c*, *Cyllene robiniae*; *d*, *Graphisurus fasciatus*; *e*, *Leiopus variegatus*; *f*, *Obrium rufulum*; *g*, cerambycid. CURCULIONIDAE: *h*, *Cryptorhynchus lapathi*.

***Ichneumon macer* (Cresson)**

- Ephialtes macer* Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., Ont. (A.N.S.P.)]
Ephialtes macer Davis, Canad. Ent., 1895, 27: 290. [syn. (in part)]
Ephialtes macer Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 22. [syn. (in part)]
Ichneumon macer Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]
Ichneumon macer Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
Ichneumon (Ichneumon) macer Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]
Ichneumon macer Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [Me.]

***Ichneumon manifestator* Linnaeus ***

- Ichneumon manifestator* Linnaeus, Syst. Nat., Ed. 10, 1758, p. 563. ♀. [o.d., ?Sweden (Linnaean Society Coll.)]

* Specimens in the Townes Collection are from Mass., N. Y., and R. I.

Ichneumon mesocentrus (Gravenhorst) *

Ephialtes mesocentrus Gravenhorst, Ichneum. Europeae, 1829, 3: 249. ♂.
[o.d., "circa Trajectum ad Moenam, in Regione Pedemontana" Europe
(?Breslau Mus.)]

Ephialtes rex Kriechbaumer, Stettin. Ent. Ztg., 1854, 15: 156. [Danzig,
southern Bavaria (?Munich Mus.)]

Ephialtes rex Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [N. Amer.]

Ephialtes rex Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]

Ephialtes rex Nason, Ent. News, 1905, 16: 171. [Ill.]

Ephialtes mesocentrus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627.
[syn., N.Y.]

Ichneumon mesocentrus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
324. [key]

Ichneumon mesocentrus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139.
[Me.]

Ichneumon perlongus (Cresson) new combination

Ephialtes perlongus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♂. [o.d.,
Mass. (A.N.S.P.)]

Ephialtes perlongus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Ichneumon pusio (Walsh)

Ephialtes pusio Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 111. ♀. [o.d.,
?Ill. (type destroyed)]

Calliephialtes pusio Cushman, Jour. Agr. Res., 1913, 1: 214. [syn.]

Ephialtes pusio Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 22. [key, syn.,
des., Colo., N. H. (in part)]

Ichneumon (Ichneumon) pusio Cushman, Mem. Cornell Univ. Agr. Sta., 1928,
101: 941. [N.Y.]

Ephialtes pusio Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]

Ichneumon pterelas Say

Ichneumon (Pimpla) pterelas Say, Contrib. Maclurean Lyceum Arts Sci., 1829,
1: 71; (Leconte Ed. 1: 376). ♀. [o.d., Ind. (type destroyed)]

Ichneumon pterelas Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166.
[syn.]

Ichneumon pygmaeus (Walsh) new combination

Ephialtes pygmaeus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 111. ♀.
[o.d., ?Ill. (type destroyed)]

Ephialtes pygmaeus Provancher, Nat. Canad., 1880, 12: 20; (Faune p. 452).
[key, des., Que.]

Ephialtes pygmaeus Riley and Howard, Insect Life, 1891, 3: 461. [host *a*, Mo.]

Ephialtes pygmaeus Evans, Canad. Ent., 1896 28: 11. [Ont.]

Ephialtes pygmaeus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

* Occurrence in the Nearctic Region needs confirmation.

Exeristes pygmaea Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 27. [key, des., Mexico, western Canada]

Ephialtes pygmaeus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

***Ichneumon tenuiventris* (Holmgren) new combination**

Ephialtes tenuiventris Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2, no. 10: 14. ♂, ♀. [o.d., Sweden (?Stockholm Mus.)]

Ephialtes pacificus Harrington, Canad. Ent., 1894, 26: 248. ♂, ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

***Ichneumon tuberculatus* Fourcroy ***

Ichneumon tuberculatus Fourcroy, Entomologia Parisiensis, 1785, 2: 395.† [o.d. ?Paris, France (location of type unknown)]

Ephialtes tuberculatus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [N. Amer.]

Ephialtes tuberculatus Cresson, Trans. Amer. Ent. Soc., 1872, 3: 164. [Tex.]

Ephialtes manifestator Provancher, Nat. Canad., 1873, 5: 449. [des., Que.] Misdetermined.

Ephialtes tuberculatus Provancher, Nat. Canad., 1875, 7: 140. [correction]

Ephialtes tuberculatus Provancher, Nat. Canad., 1880, 12: 21; (Faune p. 453). [key, des.]

Ephialtes tuberculatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Ephialtes tuberculatus Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

Ephialtes tuberculatus Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 20. [key, syn., Lake Huron, N.S. (in part)]

Ichneumon tuberculatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]

Ichneumon (Ichneumon) tuberculatus Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Ichneumon tuberculatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

Ephialtes tuberculatus Peck, Canad. Jour. Res., 1937 D, 15: 248, 249, 252 [fig. ♂ genitalia]

ISEROPUS Foerster

Iseropus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Ichneumon graminellae* Schrank) = *stercorator* Fabricius.

***Iseropus brunneifrons* (Viereck)**

?*Pimpla inquisitor* Fiske, Bull. N.H. Agr. Exp. Sta., 1903, 32: 98.

Pimpla (Epiurus) brunneifrons Viereck, Ent. News, 1909, 20: 291. ♂, ♀. [o.d., host c, Calif. (U.S.N.M.)]

* Occurrence in the Nearctic Region needs confirmation.

† This reference not seen.

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?*Epiurus graminellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 83. [key, syn., Calif., Europe, N.Y., N.S. (?in part)] ?Misdetermined

Iseropus coelebs Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-12. [syn. (in part)]

Iseropus coelebs Patch, Bull. Me. Agr. Exp. Sta., 1921, 302: 318. [fig., biol., host g, Me.] Misdetermined

Iseropus brunneifrons Cushman, Proc. Ent. Soc. Wash., 1940, 42: 56. ♂, ♀. [key, syn., des.]

Iseropus brunneifrons septentrionalis Cushman, Proc. Ent. Soc. Wash., 1940, 42: 56. ♂, ♀. [key, o.d., host b d e f g, Saute Sainte Marie, Mich. (U.S.N.M.), Colo., D.C., Ind., Me., Md., Mass., Mich., N.B., N.H., N.J., N.Y., ?Ohio, Ore., Pa., Que., Wash., Wis.) New synonymy.

LASIOCAMPIDAE: a, *Malacosoma disstria*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Hemerocampa oslari*; d, *Hemerocampa pseudotsugata*; e, *Notolophus antiquus badius*. PHALAEINIDAE: f, *Simyra henrici*. CTENUCHIDAE: g, *Ctenucha virginica*.

***Iseropus californiensis* Cushman**

Iseropus californiensis Cushman, Proc. Ent. Soc. Wash., 1940, 42: 58. ♂, ♀. [key, o.d., host a b, Yosemite, Calif. (U.S.N.M.)]

LASIOCAMPIDAE: a, *Malacosoma californicum*; b, *Malacosoma constrictum*.

***Iseropus coelebs* (Walsh)**

Ichneumon inquisitor Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 71; (Leconte Ed. 1: 375). ♀. [o.d., host cc, Ind. (type destroyed)] Pre-occupied by Scopoli 1763.

Ichneumon inquisitor Say, Boston Jour. Nat. Hist., 1835, 1: 233; (Leconte Ed. 2: 690). [des.]

Cryptus inquisitor Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]

Cryptus inquisitor Riley, Ann. Rpt. Insects of Mo., 1869, 1: 150. [host c, Mo.]

Pimpla inquisitor Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host aa, Conn.]

Pimpla inquisitor Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

Pimpla inquisitor Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]

Pimpla inquisitor Provancher, Nat. Canad., 1873, 5: 451. ♂, ♀. [key, des., Que.]

Pimpla inquisitor Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 138. ♀ only. [des.]

Pimpla coelebs Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 141. ♂. [o.d., ?Ill. (type destroyed)]

Pimpla inquisitor Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 141. [syn.]

Pimpla inquisitor Provancher, Nat. Canad., 1880, 12: 40; (Faune p. 461). ♂, ♀. [key, des.]

Pimpla inquisitor Lintner, Ann. Rpt. Insects N.Y., 1882, 1: 84. [host c]

Pimpla inquisitor Weed, Psyche, 1888, 5: 52. [host s, Ohio]

Pimpla inquisitor Riley and Howard, Insect Life, 1888, 1: 161. [host d e k dd]

- Pimpla inquisitor* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Pimpla inquisitor* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Pimpla inquisitor* Weed, Insect Life, 1891, 3: 275. [biol., host *f*]
- Pimpla inquisitor* Riley and Howard, Insect Life, 1891, 3: 462. [host *l o s*, Calif., D.C., Ill., Ia., Mo., N.Y., Tex.]
- Pimpla inquisitor* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *s*, W.Va.]
- Pimpla inquisitor* Coquillett, Bull. U. S. Dept. Agr., Div. Ent., 1894, 32: 30. [host *p*, Calif.]
- Pimpla inquisitor* Slosson, Ent. News, 1894, 5: 4. [N.H.]
- Pimpla inquisitor* Hamilton, Ent. News, 1894, 5: 288. [biol., host *a*, Ont.]
- Pimpla inquisitor* Fyles, Canad. Ent., 1894, 26: 120. [syn., host *y*, Que.]
- Pimpla inquisitor* Lugger, Bull. Minn. Agr. Exp. Sta., 1896, 43: 195. [host *i*, Minn.]
- Pimpla inquisitor* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla inquisitor* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla inquisitor* Howard, Bull. U. S. Dept. Agr., Div. Ent., 1897, 7: 16. [biol., D.C.]
- Pimpla inquisitor* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 8-17, 23, 31, 54. [fig., biol., host *s*, parasite *a b e f g*, D.C.]
- Pimpla inquisitor* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [biol., host *s*, D.C.]
- Pimpla inquisitor* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host *ee*, Mass.]
- Pimpla inquisitor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [host *j m*, N.J., N.Y.]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1900, 30: 104. [host *z*, Que.]
- Pimpla inquisitoriella* Dalla Torre, Cat. Hymen., 1901, 3: 435. New name for *Ichneumon inquisitor* Say.
- Pimpla inquisitor* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 198-200. [biol., host *n o bb*, N.H.]
- Pimpla inquisitor* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla inquisitor* Woods, Bull. Me. Agr. Exp. Sta., 1906, 137: 297. [host *t*, Me.]
- Pimpla inquisitor* Girault, Psyche, 1908, 15: 89. [host *s*, Ill.]
- Pimpla inquisitor* Gossard, Jour. Econ. Ent., 1908, 1: 188. [Ohio]
- Pimpla inquisitor* Nash, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 13. [host *s*, Ont.]
- Pimpla inquisitor* Howard and Chittenden, Cir. U. S. Dept. Agr., 1908, 97: 6. [host *c*]
- Pimpla inquisitor* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Pimpla inquisitor* Schoene, Bull. N.Y. Agr. Exp. Sta., 1909, 312: 47. [host *s*, N.Y.]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 31. [host *a*, Que.]
- Pimpla inquisitoriella* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 237-238. [host *t* parasite *c*]

- Pimpla inquisitor* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *c*, Mo.]
- Epiurus graminellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 83. [key, syn., Calif., N.C., N.S. (in part)]
- Pimpla inquisitor* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [host *g*, N.Y.]
- Pimpla inquisitor* Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269. [host *s*, parasite *g*]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Scambus inquisitoriella* Payne, Proc. Ent. Soc. N.S., 1917, 3: 60, 67. [host *s u*]
- Scambus (Iseropus) inquisitoriellus* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321, 340. [key, host *b n*, parasite *f*, Conn.]
- Pimpla inquisitor* Wallace, Ann. Rpt. State Ent. Ind., 1917, 9: 189. [host *t*, Ind.]
- Epiurus inquisitoriella* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-11. [syn.]
- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-12. [syn. (in part)]
- Scambus inquisitoriellus* (!) Dickerson and Weiss, Jour. N.Y. Ent. Soc., 1920, 28: 47: [host *f*, N.J.]
- Iseropus coelebs* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. [parasite *d*]
- Pimpla inquisitor* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Scambus (Iseropus) coelebs* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]
- Iseropus inquisitoriellus* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [host *n t*, Me.]
- Iseropus coelebs* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [host *h n q t*, Me.]
- Scambus inquisitoriellus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Scambus (Iseropus) coelebs* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [N.Y.]
- Scambus (Epiurus) inquisitoriellus* (!) Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Scambus (Iseropus) coelebs* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Pimpla inquisitor* Maheux, Nat. Canad., 1930, 57: 249. [host *s*, Que.]
- Pimpla inquisitoriella* Cole, Ent. News, 1931, 42: 9, 38. [host *w*, Mich.]
- Iseropus coelebs* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *r s x*, Me., Mass., N.H., N.J., N.Y., R.I.]
- Scambus coelebs* Britton, Bull. Conn. Agr. Exp. Sta., 1935, 378: 77. [host *m*, Conn.]
- Iseropus coelebs* Felt and Bromley, Jour. Econ. Ent., 1937, 30: 74. [host *n*, Conn.]
- Pimpla (Iseropus) coelebs* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂ genitalia]

Scambus coelebs Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Scambus inquisitoriella Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Scambus (Iseropus) coelebs Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

Iseropus coelebs Cushman, Proc. Ent. Soc. Wash., 1940, 42: 53. ♂, ♀. [key, syn., des., host *n s v*, Ala., Canada, Conn., D.C., Guatemala?, Ia., Kans., La., Md., Mass., Neb., N.Y., Pa., Tex., Va.]

Iseropus coelebs Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host *bb*, Canada]

CURCULIONIDAE: a, *Mononychus vulpeculus*. TINEIDAE: b, *tineid*. PSYCHIDAE: c, *Thyridopteryx ephemeraeformis*. COLEOPHORIDAE: d, *Coleophora cinerella*. GELECHIDAE: e, *Gnorimoschema gallaesolidaginis*. MOMPIDAE: f, *Cyphophora eloisella*. TORTRICIDAE: g, *Archips argyrospila*; h, *Archips fumiferana*; i, *Archips semiferana*; j, *Peronea* sp. OLETHREUTIDAE: k, *Thiodia olivaceana*. PHYCITIDAE: l, *Acrobasis juglandis*; m, *Acrobasis* sp. LASIOCAMPIDAE: n, *Malacosoma americanum*; o, *Malacosoma californicum*; p, *Malacosoma constrictum*; q, *Malacosoma dissitia*. LYMANTRIIDAE: r, *Hemerocampa definita*; s, *Hemerocampa leucostigma*; t, *Hemerocampa* sp.; u, *Notolophus antiquus*; v, *Olene* sp. PHALAEINIDAE: w, *Simyra henrici*. ARCTIIDAE: x, *Halisidota caryae*. TEPHRITIDAE: y, *Eurosta solidaginis*. ARGIDAE: z, *Arge pectoralis*. DIPRIONIDAE: aa, *Neodiprion abietis*. ICHNEUMONIDAE: bb, *Hyposoter fugitivus*. Miscellaneous: cc, larva on *Clematis* sp.; dd, leaf roller on *Fraxinus* sp.; ee, lepidopteran on *Prunus virginianus*.

Parasite.—ICHNEUMONIDAE: a, *Bathythrix pimplae*; b, *Campoplex validus*; c, *Coccygmimus instigator*; d, *Itopectis conquisitor*; e, *Mastrus americanus*; f, *Phobetes thyridopteryx*. CHALCIDIDAE: g, *Dibrachys cavus*.

Iseropus orgyiae (Ashmead)

Pimpla orgyiae Riley and Howard, Insect Life, 1891, 3: 462. [host *b*, Calif.]
Nomen nudum

Ictiopectis (!) *orgyiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 213. ♂, ♀.
[o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

Iseropus coelebs Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10–12. In part

Iseropus orgyiae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 351. [syn.]

Iseropus orgyiae Cushman, Proc. Ent. Soc. Wash., 1940, 42: 55. ♂, ♀. [key, syn., des., host *a*, Calif.]

LYMANTRIIDAE: a, *Hemerocampa vetusa* var. *gulosa*; b, *Hemerocampa* sp.

TROMATOBIA Foerster

Tromatobia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Pimpla variabilis* Holmgren) = *arundinator* Fabricius.

Tromatobia lateralis (Cresson)

Clistopyga? lateralis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 34. ♂, ♀. [o.d., Cuba (Gundlach Coll., Havana, Cuba)]

Tromatobia lateralis Cushman, Proc. U. S. Nat. Mus., 1940, 88: 363. [syn., host *a*, Cuba, Ga., Puerto Rico]

Miscellaneous: a, spider eggs.

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Tromatobia ovivora (Boheman) *

Pimpla ovivora Boheman, Svensk. Vet.-Akad. Handl., 1821, 42: 336. ♂, ♀.
[o.d., fig., host *a*, "in Smolandia" (Europe) (location of type unknown)]

Pimpla (*Tromatobia*) *ovivora* Schmiedeknecht, Zool. Jahrb. Abt. System. Geog. Biol. Thiere, 1888, 3: 495. [key, des., host]

Pimpla (*Iseropus*) *viduiformis* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591.
♂. [o.d., New Haven, Conn. (U.S.N.M.)] New synonymy

Scambus (*Iseropus*) *viduiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 766. ♂. [des., host *a*, Conn.] "Types reared from spider egg-sacs on nursery stock imported from Europe"

Tromatobia viduiformis Cushman, Proc. Ent. Soc. Wash., 1940, 42: 51. [syn.]
Miscellaneous: *a*, spider eggs.

Tromatobia rufopectus (Cresson)

Pimpla rufopectus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♀. [key, o.d., Pa. (A.N.S.P.)]

Pimpla rufopectus Provancher, Nat. Canad., 1880, 12: 40; (Faune p. 460).
[key, des., Que.]

Pimpla inquisitor Riley and Howard, Insect Life, 1889, 1: 324. [biol., host *b*, N.J.] Misdetermined.

Pimpla rufopectus Riley and Howard, Insect Life, 1890, 3: 461. [host *f*, Calif.]

Pimpla rufopectus (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Pimpla rufopectus Howard, Proc. Ent. Soc. Wash., 1892, 2: 293. [syn., host *a b*, Calif., Conn., N.J.]

Pimpla rufopectus Nason, Ent. News, 1905, 16: 171. [Ill.]

Scambus (*Tromatobia*) *rufopectus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]

Tromatobia rufopectus Champlain, Psyche, 1922, 29: 97. [biol., host *d*, Pa.]

Tromatobia rufopectus Rau, Trans. Acad. Sci. St. Louis, 1922, 24, no. 7: 42.
[biol., host *e*, Mo.]

Tromatobia rufopectus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn. (in part)]

Tromatobia rufopectus Essig, Insects of Western N. Amer., 1926, p. 797. [host *a c*, Calif.]

Tromatobia rufopectus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139.
[Me.]

Tromatobia rufopectus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Tromatobia rufopectus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.] In part

Tromatobia rufopecta (!) Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Tromatobia rufopectus Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

Tromatobia rufopectus Townes, Ann. Ent. Soc. Amer., 1940, 33: 297. [parasite *a*, Fla.]

* This species does not belong to the Nearctic fauna.

ARGIOPIDAE: a, eggs of *Argiope argentata*; b, eggs of *Argiope aurantia*; c, eggs of argiopid; d, eggs of garden spider; e, eggs of green argiopid. Miscellaneous: f, spider eggs. Parasite.—ICHNEUMONIDAE: a, *Theronia bicincta*.

Tromatobia rufovariata (Cresson)

- Pimpla rufovariata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♀. [key o.d., Pa. (A.N.S.P.). N.J.]
- Polysphincta cingulata* Provancher, Nat. Canad., 1875, 7: 141. ♀. [key, o.d. Que. (M.P.Q.)]
- Pimpla rufovariata* Provancher, Nat. Canad., 1880, 12: 42; (Faune p. 463). [key, des., Que.]
- Polysphincta cingulata* Provancher, Nat. Canad., 1880, 12: 45; (Faune p. 466) [key, des.]
- Pimpla rufovariata* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Pimpla rufovariata* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host a, Mass.]
- Pimpla rufovariata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Pimpla rufovariegata* Dalla Torre, Cat. Hymen., 1901, 3: 448. [lapsus for *rufovariata*]
- Pimpla rufovariata* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Scambus (Tromatobia) rufovariatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]
- Tromatobia rufovariata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Tromatobia rufovariata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Tromatobia rufovariata* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Tromatobia rufovariata* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Tromatobia rufovariata* Frohne, Trans. Amer. Micros. Soc., 1939, 58: 233. [host b, Mich.]
- Tromatobia niforanata* (!) Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- OLETHREUTIDAE: a, *Epiblema scudderiana*. Miscellaneous: b, spider eggs.

Tromatobia scriptifrons (Cresson)

- Pimpla scriptifrons* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♀. [key, o.d., Del. (A.N.S.P.), Ill.]
- Pimpla scriptifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 139. ♂, ♀. [des.]
- Pimpla vidua* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 140. ♀. [o.d., ?Ill. (type destroyed)] New synonymy.
- Pimpla scriptifrons* Provancher, Nat. Canad., 1880, 12: 41; (Faune p. 462). [key, des., Que.]

- Pimpla scriptifrons* Riley and Howard, Insect Life, 1891, 3: 462. [host *a*, D.C.]
Pimpla defensator Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♀. [o.d., Mich. (A.N.S.P.)]
Pimpla scriptifrons Nason, Ent. News, 1905, 16: 171. [Ill.]
Pimpla vidua Nason, Ent. News, 1905, 16: 171. [Ill.]
Pimpla landerensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 243. ♀. [o.d., near Lander, Wyo. (U. Kans.)] New synonymy.
Apechthis rugulosa Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 34. ♀. [key, o.d., Inverness, Woodcock's Landing at the mouth of the River Skeena, B.C. (British Mus.)] New synonymy.
Scambus (*Tromatobia*) *scriptifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]
Tromatobia scriptifrons Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
Tromatobia? *rugulosa* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 355. [syn., des.]
Tromatobia rufopectus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn. (in part)]
Ephialtes (*Tromatobia*) *scriptifrons* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Tromatobia rufopectus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.] Misdetermined in part.
Scambus scriptifrons Shaw, Jour. N.Y. Ent. Soc., 1930, 38: 465. [biol., N.Y.]
 ARGIOPIDAE: *a*, *Argiope aurantia* eggs.

***Tromatobia zonata* (Davis)**

- Clistopyga zonata* Davis, Ent. News, 1895, 6: 198. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]
Tromatobia zonata Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]
Tromatobia zonata Auten, Ann. Ent. Soc. Amer., 1925, 18: 243, [host *a*]
Tromatobia zonata Hubbell, Ann. Ent. Soc. Amer., 1932, 35: 504. [biol., Fla.]
 ARGIOPIDAE: *a*, ?*Araneus sericatus* eggs.

ZAGLYPTUS Foerster

- Zaglyptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.
 Genotype: *Polysphincta varipes* Gravenhorst.

***Zaglyptus incompletus* (Cresson)**

- Pimpla incompleta* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♀. [key, o.d., Ill. (A.N.S.P.)]
Pimpla animosa Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] New synonymy.

- Polysphincta Rubricapensis* Provancher, Nat. Canad., 1873, 5: 470. ♀. [key, o.d., Que. (M.P.Q.)]
- Cylloceria Lemoinei* Provancher, Nat. Canad., 1873, 5: 471. ♂. [o.d., Que. (M.P.Q.)]
- Polysphincta pimploides* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 145. ♀. [o.d., ?Ill. (type destroyed)] New synonymy.
- Polysphincta Rubricapensis* Provancher, Nat. Canad., 1880, 12: 44; (Faune p. 465). [key, des.]
- Cylloceria Lemoinei* Provancher, Nat. Canad., 1880, 12: 47; (Faune p. 468). ♂, ♀. [key, des.]
- Polysphincta rufigaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♀. [o.d., Tex. (U.S.N.M.)]
- Polysphincta spinosa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Urbana, Ill. (A.N.S.P.)]
- Lampronota lemoinei* Dalla Torre, Cat. Hymen., 1901, 3: 516. [syn.]
- Polysphincta rubricapensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [des., Conn.]
- Zaglyptus incompletus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Zaglyptus animosus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta pimploides* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [des.]
- Zaglyptus incompletus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Zaglyptus incompletus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Zaglyptus incompletus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Zaglyptus incompletus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [host a, N.Y., Tex.]
- Zaglyptus incompletus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930. 3, no. 2: 103. [Mass.]
- Zaglyptus incompletus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Zaglyptus incompletus* Brimley, Insects of N.C., 1938, p. 411. [N.C.]
- Zaglyptus incompletus spinosus* Brimley, Insects of N.C., 1938, p. 411. [N.C.]
- Zaglyptus incompletus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]
- Miscellaneous: a, spider eggs.

PSEUDORHYSSA Merrill

Pseudorhyssa Merrill, Trans. Amer. Ent. Soc., 1915 41: 150.

Genotype: *Pseudorhyssa sternata* Merrill.

Pseudorhyssa sternata Merrill

Pseudorhyssa sternata Merrill, Trans. Amer. Ent. Soc., 1915, 41: 150. ♀. [o.d., Toronto, Ont. (A.N.S.P.), Colo., Me., Wash. Territory]

DELOMERISTA Foerster

Delomerista Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: *Pimpla mandibularis* Gravenhorst.

Delomerista diprionis Cushman

Delomerista diprionis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 398. ♂, ♀.

[o.d., host *a b d*, Oakville, Ont. (U.S.N.M.), B.C., Conn., Ida., Me., Mich., N.H., Ore., Que., Wash., Wis.]

Delomerista diprionis Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 50, 51. [biol., host *d*, Ore.]

Delomerista diprionis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *c*, Canada]

Delomerista diprionis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

DIPRIONIDAE: *a*, *Diprion hercyniae*; *b*, *Diprion similis*; *c*, *Neodiprion abietis*; *d*, *Neodiprion tsugae*.

Delomerista novita (Cresson)

Pimpla novita Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♀. [key, o.d., Mass. (A.N.S.P.)]

Pimpla novita Provancher, Nat. Canad., 1873, 5: 451. [key, des., Que.]

Pimpla novita Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Pimpla novita Provancher, Nat. Canad., 1880, 12: 39; (Faune, p. 460). [key, des.]

Pimpla novita Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Pimpla novita Riley and Howard, Insect Life, 1891, 3: 461. [host *b d*, D.C., S.C.]

Pimpla novita Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]

Pimpla novita Slosson, Ent. News, 1895, 6: 317. [N.H.]

Pimpla novita Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Pimpla novita Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *a c*, N.H.]

Epiurus brevicornis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 86. [key, syn., Hudson Bay, N.S. (in part)]

Delomerista novita Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Delomerista novita (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

Delomerista novita Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [syn., N.Y.]

Delomerista novita Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737. [fig. ♂ genitalia]

CURCULIONIDAE: *a*, *Mononychus vulpeculus*. OLETHREUTIDAE: *b*, *Thiodia olivaceana*. PHYCITIDAE: *c*, *Acrobasis rubrifasciella*. PHALAENIDAE: *d*, *Eublemma minima*.

Delomerista texana (Cresson)

Pimpla texana Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Tex. (A.N.S.P.)]

- Pimpla texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]
Pimpla laevifrons Thomson, Opusc. Ent., 1877, pt. 8: 750. ♂, ♀. [o.d., Sweden (?Lund Mus.)] New synonymy.
Pimpline n. gen. et n. sp. Slosson, Ent. News, 1906, 17: 324. [N.H.]
Delomerista texana Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 11. [syn.]

PERITHOUS Holmgren

- Perithous* Holmgren, Öfers. Svensk. Vet.-Akad. Förh., 1859, 16: 123.
 Genotype: *Ephialtes albicinctus* Gravenhorst.

Perithous divinator (Rossi) *

- Ichneumon divinator* Rossi, Fauna Etrusca, 1790, 2: 48. ♀. [o.d., Etrusca, Italy (location of type unknown)]
Perithous divinator Marshall, Cat. Brit. Hymen. Chrysid. Ichneum. Bracon. Evan., 1872, p. 86. [syn.]

Perithous pleuralis Cresson

- Perithous pleuralis* Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Grimsby, Ont. (type lost)]
Perithous pleuralis Provancher, Nat. Canad., 1875, 7: 141. ♂, ♀. [des., Que.]
Perithous pleuralis Provancher, Nat. Canad., 1880, 12: 22; (Faune, p. 454). [des.]
Perithous pleuralis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.Y.]
Pimpla neomexicana Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. ♀. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.
Perithous pleuralis Nason, Ent. News, 1905, 16: 171. [Ill.]
Perithous pleuralis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 12. [key, des.]
Perithous pleuralis Champlain, Psyche, 1922, 29: 97. [biol., Pa.]
Perithous pleuralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
Perithous pleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [host a, N.Y.]
Perithous pleuralis Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
Perithous pleuralis Reinhard, Nature Mag., 1929, 13: 155, 156, 157. [fig., biol., host a]
Perithous pleuralis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Alta.]
Perithous pleuralis Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

SPHECIDAE: a, *Pemphredon concolor*.

* Numerous specimens in the Townes Collection are from the following New York State localities: Bemus Point, Canajoharie, Gilbertsville, Ithaca, and Shokan.

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Subfamily 1. ICHNEUMONINAE

Tribe 2. POLYSPHINCTINI

ZABRACHYPUS Cushman

Zabrachypus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37.

Genotype: *Zabrachypus primus* Cushman.

Zabrachypus primus Cushman

Zabrachypus primus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 17, 37. ♀.
[o.d., fig., Mont. (U.S.N.M.)]

Zabrachypus slossonae (Davis) new combination

Polysphincta slossonae Slosson, Ent. News, 1895, 6: 317. [N.H.] Nomen nudum

Polysphincta slossonae Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]

Polysphincta (Polysphincta) slossonae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 27. ♂, ♀. [key, des., Calif., Colo., Ill., N.B.]

Polysphincta slossonae Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Polysphincta slossonae Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]

Polysphincta (Polysphincta) slossonae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

Polysphincta slossonae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

Polysphincta slossonae Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OXYRRHEXIS Foerster

Oxyrrhexis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Cryptus carbonator* Gravenhorst.

Oxyrrhexis carbonator (Gravenhorst)

Cryptus carbonator Gravenhorst, Vergl. Übers. Zool. System., 1807, p. 264. [o.d., ?Germany (?Breslau Mus.)]

Polysphincta carbonator Gravenhorst, Ichneum. Europeae, 1829, 3: 123. ♂, ♀. [des., Europe]

Polysphincta texana Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♀. [key, o.d., Tex. (A.N.S.P.)]

Polysphincta texana Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

Polysphincta vicina Provancher, Nat. Canad., 1873, 5: 470. ♂. [key, o.d., Que. (M.P.Q.)]

Polysphincta Texana Provancher, Nat. Canad., 1873, 5: 470. [key, Que.]

Polysphincta vicina Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Polysphincta vicina Provancher, Nat. Canad., 1880, 12: 44; (Faune, p. 465). [key, syn., des.]

- Oxyrrhexis carbonator* Schmiedeknecht, Zool. Jahrb. Abth. Syst. Geogr. Biol., 1888, 3: 432. [syn.]
- Polysphincta texana* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Polysphincta texana* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Polysphincta texana* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Polysphincta bicarinata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♂. [o.d., Moscow, Ida. (A.N.S.P.)] Preoccupied by Riley 1871.
- Polysphincta carbonator* var. Roman, Ent. Tidskr., 1910, 31: 187. [des., Ill., Wis.]
- Polysphincta texana* Cushman, Proc. Ent. Soc. Wash., 1913, 15: 157 [biol., host a]
- Polysphincta texana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 318. [des., host a]
- Polysphincta (Polysphincta) texana* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 21, pl. 2. [key, syn., des., Calif., Colo., Minn., Mo., N.M., N.Y., Va.]
- Polysphincta (Polysphincta) texana* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Polysphincta texana* Brues, Psyche, 1927, 34: 80. [Mass.]
- Polysphincta vicina* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Polysphincta texana* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Polysphincta (Polysphincta) texana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]
- Polysphincta texana* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C., Man.; Que.]
- Polysphincta texana* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia]

THERIDIIDAE: a, *Steatoda borealis*.

ZATYPOTA Foerster

- Zatypota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.
Genotype: *Ichneumon percontatorius* Müller.
- Polysphinctopsis* Habermehl, Ztschr. Wiss. Ins.-Biol., 1917, 13: 167. New synonymy.
Genotype: *Polysphincta eximia* Schmiedeknecht.

Zatypota alborhombarta (Davis)

- Clistopyga alborhombarta* Davis, Ent. News, 1895, 6: 198. ♀. [key, o.d., Fla. (A.N.S.P.)]
- Polysphincta (Zatypota) alborhombarta* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 30. ♀. [key, des., Va.]

Zatypota dictynae (Howard)

- Polysphincta dictynae* Howard, Insect Life, 1888, 1: 107. ♂. [o.d., fig., biol., host a, Westham, Mass. (U.S.N.M.)]
- MEM. AMER. ENT. SOC., 11 pt. 1.

- Polysphincta (Zatypota) dictynae* Howard, Proc. Ent. Soc. Wash., 1892, 2: 291. [syn.]
- Polysphincta minuta* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Mich. (A.N.S.P.)]
- Polysphincta (Zatypota) dictynae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 30. [key, syn., des., Ariz., Colo.]
- Zatypota dictynae* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- DICTYNIDAE: a, *Dictyna foliacea*.

***Zatypota nigriceps* (Walsh)**

- Polysphincta nigriceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 144. ♂, ♀. [o.d., ?Ill. (type destroyed)]
- Polysphincta nigrita* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 144. ♂. [o.d., ?Ill. (type destroyed)] New synonymy.
- Clistopyga nigrocephala* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.
- Polysphincta nigrita* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.Y.]
- Polysphincta (Zatypota) nigrocephala* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 32. [key, des., D.C., Ind.]
- Polysphincta (Zatypota) braucheri* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 33. ♂, ♀. [key, o.d., fig., Douglas, Mich. (U.S.N.M.), Ind.] New synonymy.
- Polysphincta (Zatypota) californiensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 34. ♀. [key, o.d., Santa Cruz Mts., Calif. (U.S.N.M.)] New synonymy.
- Polysphincta (Zatypota) crosbyi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 35. ♂, ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.)] New synonymy.
- Polysphincta (Zatypota) nigriceps* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta (Zatypota) nigrita* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta (Zatypota) crosbyi* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

***Zatypota parva* (Cresson)**

- Glypta? parva* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., Ill. (A.N.S.P.)]
- Oxyrrhexis parva* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 642. [syn.]
- Polysphincta (Zatypota) parva* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 35. ♂, ♀. [key, des., Calif., N.Y.]
- Polysphincta (Zatypota) parva* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 35, 36, pl. 5, fig. 37. [biol.]
- Polysphincta (Zatypota) parva* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

Zatypota theridii (Howard)

Polysphincta theridii Howard, Proc. Ent. Soc. Wash., 1892, 2: 292. ♂. [o.d., host *a*, Eastport, Me. (U.S.N.M.)]

Polysphincta granulosa Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Mich. (A.N.S.P.)] New synonymy.

Polysphincta (Zatypota) theridii Cushman, Proc. U. S. Nat. Mus., 1920, 58: 31. [key, des.]

Polysphincta (Zatypota) granulosa Cushman, Proc. U. S. Nat. Mus., 1920, 58: 33. [key, des.]

THERIDIIDAE: *a*, *Theridion* sp.

COLPOMERIA Holmgren

Colpomeria Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 126.

Genotype: *Colpomeria laevigata* Holmgren.

Colpomeria kincaidii Ashmead

Zaglyptus kincaidii Ashmead, Insect Life, 1894, 6: 260. ♂, ♀. [o.d., host *a*, Olympia, Wash. (U.S.N.M.)]

Polysphincta albocoxalis Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Colpomeria mellithorax Cushman, Proc. U. S. Nat. Mus., 1920, 58: 17, 19. ♀. [key, o.d., fig., no locality (U.S.N.M.)] New synonymy.

Colpomeria kincaidii Cushman, Proc. U. S. Nat. Mus., 1920, 58: 20. [key, des., N.H.]

Colpomeria kincaidii Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. [syn.]

Colpomeria mellithorax Brimley, Insects of N.C., 1938, p. 409. [N.C.]

ARGIOPIDAE: *a*, *Tetragnathus* sp.

ACRODACTYLA Haliday *

Barypus Haliday, in Curtis, Guide Arrang. Brit. Ins., Ed. 2, 1837, p. 94. Preoccupied by Laporte 1834.

Genotype: *Barypus degener* Haliday.

Acrodactyla Haliday, Mag. Nat. Hist., 1838, 2: 117. New name for *Barypus* Haliday.

Symphylus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 105. Preoccupied by Dallas 1851. New synonymy.

Genotype: *Symphylus hadrodactylus* Foerster.

Polemophthorus Schulz, Zool. Ann., 1911, 4: 22. New name for *Symphylus* Foerster.

* Undescribed Nearctic species of this genus are in the Townes Collection.

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POLYSPHINCTA Gravenhorst

Polysphincta Gravenhorst, Ichneum. Europeae, 1829, 3: 112.

Genotype: *Polysphincta tuberosa* Gravenhorst.

***Polysphincta albipes* Cresson**

Polysphincta albipes Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 208.

♂. [o.d., Rock Ledge, Fla. (type lost)]

Polysphincta albipes Hubbard, Insects Affecting the Orange, 1885, p. 153. [des., biol., host a]

Polysphincta (Polysphincta) albipes Cushman, Proc. U. S. Nat. Mus., 1920, 58: 23. [key, des.]

TORTRICIDAE: a, ?*Platynota rostrana*.

***Polysphincta burgessii* Cresson**

Polysphincta Burgessii Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♂. [key, o.d., Beverly, Mass. (A.N.S.P.)]

Polysphincta rufopectus Provancher, Nat. Canad., 1875, 7: 140. ♀. [key, o.d., Que. (M.P.Q.)]

Polysphincta Burgessii Provancher, Nat. Canad., 1880, 12: 43; (Faune, p. 464). ♂, ♀. [key, des., Que.]

Polysphincta (Polysphincta) burgessi Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 26. [key, syn., des., fig. (in part)]

Polysphincta burgessi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Polysphincta (Polysphincta) burgessi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

Polysphincta burgessi Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

Polysphincta (Polysphincta) venatrix DeGant, Proc. U. S. Nat. Mus. 1933, 82: 4. ♀. [o.d., Parr Is., East Spence Lake, Ont. (U.S.N.M.)] New synonymy.

***Polysphincta limata* Cresson**

Polysphincta limata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 150. ♀. [key, o.d., Mass. (A.N.S.P.), N.J.]

Polysphincta Bruneti Provancher, Nat. Canad., 1873, 5: 471. ♀. [key, o.d., Que. (M.P.Q.)]

Polysphincta limata Provancher, Nat. Canad., 1880, 12: 45; (Faune, p. 466). [key, syn., des.]

Polysphincta Bruneti Provancher, Nat. Canad., 1880, 12: 45; (Faune, p. 466). [key, des.]

Polysphincta (Zaglyptus) koebelei Howard, Proc. Ent. Soc. Wash., 1892, 2: 293. ♀. [o.d., host a, Santa Cruz Mts., Calif. (U.S.N.M.)] New synonymy.

Polysphincta limata Slosson, Ent. News, 1895, 6: 317. [N.H.]

Polysphincta limata Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

Ephialtomorpha slossonae Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Polysphincta lunata (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Polysphincta (*Polysphincta*) *koebelei* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 24. ♂, ♀. [key, des., Calif., Kans.]

Polysphincta (*Polysphincta*) *elongata* Cushman, Proc. U. S. Nat. Mus. 1920, 58: 25. ♀. [key, o.d., Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

Polysphincta (*Polysphincta*) *burgessi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 26. [key, syn., des., fig. (in part)]

Polysphincta elongata Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25. [syn.]

Polysphincta (*Polysphincta*) *koebelei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

ARGIOPIDAE: a, "*Epeira*" sp.

***Polysphincta strigis* Howard**

Polysphincta (*Zatypota*) *strigis* Howard, Proc. Ent. Soc. Wash., 1892, 2: 291. ♀. [o.d., host a, Sealcliff, N.Y. (U.S.N.M.)]

Polysphincta (*Polysphincta*) *strigis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 28. [key, des., B.C., N.Y.]

Polysphincta (*Polysphincta*) *strigis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Polysphincta (*Polysphincta*) *strigis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

ARANEIDAE: a, *Araneus cornutus*.

HYMENOEPIMECIS Viereck

Epimecis Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 112. Preoccupied by Hübner 1825.

Genotype: *Epimecis bicolor* Brullé.

Hymenoepimecis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. New name for *Epimecis* Brullé.

***Hymenoepimecis wiltii* (Cresson)**

Epimecis Wiltii Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., Ohio (A.N.S.P.)]

Hymenoepimecis wilti Shannon, Proc. Ent. Soc. Wash., 1913, 15: 162. [biol., host a]

Epimecis wilti Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 6, 8. [key, syn. (in part)]

Hymenoepimecis wilti Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des.]

Hymenoepimecis wiltii Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 17, pl. 2. ♂, ♀. [key, des., fig., Ala., Kans., Md., Mass., Pa., S.C., Tex., Va.]

Epimecis wiltii Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

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Hymenoepimecis wilti Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]

Hymenoepimecis wilti Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Hymenopimecis (!) *wiltii* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]

ARGIOPIDAE: a, *Neoscona arabesca*.

SCHIZOPYGA Gravenhorst

Schizopyga Gravenhorst, Ichneum. Europeae, 1829, 3: 125.

Genotype: *Schizopyga podagrica* Gravenhorst.

Schizopyga frigida (Cresson)

Schizopyga frigida Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)]

Schizopyga frigida Slosson, Ent. News, 1894, 5: 4. [N.H.]

Polysphincta pontiaci Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. ♂. [o.d., Cheshire, Conn. (Conn. Agr. Exp. Sta.)]. New synonymy.

Polysphincta (*Zatypota*) *pontiaci* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 32. [key, des.]

Schizopyga frigida Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 7. ♀. [des., Ia., N.H.]

Schizopyga pulchra Walley

Schizopyga pulchra Walley, Canad. Ent., 1936, 68: 20. ♀. [o.d., Moosonee, Ont. (C.N.C.), Man., N.J.]

Subfamily 1. ICHNEUMONINAE

Tribe 3. ECHTHROMORPHINI

COCCYGOMIMUS Saussure *

Pimpla of authors, not of the genotype.

Ephialtes of certain American authors, not of Schrank.

Coccygomimus Saussure, in Grandidier: Hist. Mad., 1892, 20: plate 14, fig. 12.

GENOTYPE: *Coccygomimus madecassus* Saussure.

Lissotheronia Cameron, Spolia Zeylanica, 1905, 3: 139.

GENOTYPE: *Lissotheronia flavipes* Cameron.

Pimplidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 117.

GENOTYPE: *Pimpla pedalis* Cresson.

Opodactyla Seyrig, Mém. Acad. Malagache, 1932, 11: 60.

GENOTYPE: *Pimpla* (*Opodactyla*) *waterloti* Seyrig.

* In 1940 I used the name *Pimpla* for this genus, following a conservative course because it seemed then that the International Commission would soon make a *nomen conservandum* of *Pimpla*. This does not now seem likely, so the rules of nomenclature are applied.

Coccygomimus aequalis (Provancher) new combination

- Pimpla annulipes* Walsh, Canad. Ent., 1869, 2: 12. [des.] Misdetermined.
- Pimpla annulipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key] Misdetermined.
- Pimpla annulipes* Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host *o*] Misdetermined.
- Pimpla annulipes* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.] Misdetermined.
- Pimpla annulipes* Riley, Ann. Rpt. Insects Mo., 1873, 5: 49. ♂, ♀. [des., fig., biol., host *l*] Misdetermined.
- Pimpla annulipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 133. ♂, ♀. [des.] Misdetermined.
- Pimpla aequalis* Provancher, Nat. Canad., 1880, 12: 36; (Faune, p. 457). ♀. [key, o.d., Que. (M.P.Q.)]
- Pimpla annulipes* Provancher, Nat. Canad., 1880, 12: 36; (Faune, p. 457). [key, des., Que.] Misdetermined.
- Pimpla annulipes* Weed, Psyche, 1888, 5: 51. [host *r*, Ohio] Misdetermined.
- Pimpla annulipes* Riley and Howard, Insect Life, 1883, 1: 161. [host *g j k l o u v a a c c*] Misdetermined.
- Meniscus Ashmeadii* Provancher, Addit. Faune Canada, Hymén., 1888, p. 430. ♀. [o.d., Jacksonville, Fla. (M.P.Q.)]
- Pimpla aequalis* Provancher, Nat. Canad., 1889, 19: 248. [Que.]
- Pimpla annulipes* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1884. [fig., host *z a a*, N.Y.] Misdetermined.
- Pimpla annulipes* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.] Misdetermined.
- Pimpla annulipes* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.] Misdetermined.
- Pimpla annulipes* Koebele, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 90. [host *l*, Calif.] Misdetermined.
- Pimpla annulipes* Riley and Howard, Insect Life, 1891, 3: 461. [host *l q*, Calif., D.C., Mich., Mo., Tex.] Misdetermined.
- Pimpla annulipes* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.] Misdetermined.
- Pimpla annulipes* Davis, Canad. Ent., 1894, 26: 321. [syn. (in part)] Misdetermined.
- Pimpla annulipes* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.] Misdetermined.
- Pimpla annulipes* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1896, 4: 113. [biol., host *x*] Misdetermined.
- Pimpla annulipes* Slosson, Ent. News, 1896, 7: 264. [N.H.] Misdetermined.
- Pimpla conquisitor* var. *rufuscula* Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♀. [o.d., northern Ill. (A.N.S.P.) Mich.]
- Pimpla annulipes* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.] Misdetermined.

- Pimpla annulipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J., N.Y.] Misdetermined.
- Pimpla aequalis* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla annulipes* Nason, Ent. News, 1905, 16: 171. [Ill.] Misdetermined.
- Pimpla conquisitor* var. *rufuscula* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla annulipes* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293, 317. [Ariz., Kans.] Misdetermined.
- Pimpla annulipes* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. [Kans.] Misdetermined.
- Pimpla annulipes* Girault, Bull. U. S. Dept. Agr., Bur. Ent., 1907, 68: 45. [host *e*, Ga.] Misdetermined.
- Pimpla annulipes* Jenne, Bull. U. S. Dept. Agr., Bur. Ent., 1909, 80: 30. [host *l* Ark.] Misdetermined.
- Pimpla annulipes* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.] Misdetermined.
- Pimpla turionellae* Roman, Ent. Tidskr., 1910, 31: 187. [des., Ill., N.J., N.C., Tex., Wis.] Misdetermined.
- Pimpla marginata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.] Misdetermined.
- Pimpla turionellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 66. [key, syn., des., Asia, Europe, Mexico, N.M., N.Y., N.S., Tex.] Misdetermined, in part.
- Itoplectis marginatus* Brooks and Blakeslee, Bull. U. S. Dept. Agr., 1915, 189: 46. [fig., host *l*, Md., Va., W.Va.] Misdetermined.
- Itoplectis marginatus* Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host *p*, Ga.] Misdetermined.
- Itoplectis rufuscula* Watson, Jour. Econ. Ent., 1916, 9: 527, fig. [host *y*]
- Scambus* (*Itoplectis*) *marginatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [syn. (in part), des., fig., Conn.] Misdetermined.
- Pimpla annulipes* King, Bull. Ohio Agr. Exp. Sta., 1917, 307: 422. [host *e*, Ohio] Misdetermined.
- Scambus* (*Pimplidea*) *turionellae* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [des., N.Y.] Misdetermined.
- Pimplidea aequalis* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key, syn.]
- Stoplictus* (!) *marginatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Pimplidea aequallis* (!) Stearns, Jour. Econ. Ent., 1919, 12: 348. [host *m*, Va.]
- Ephialtes* (*Ephialtes*) *turionellae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. [syn.]
- Ephialtes* (*Ephialtes*) *aequalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 338. [key, des., host *e i l n o p*, Ala., Ark., Colo., D.C., Fla., Ga., Ill., Ind., Kans., La., Md., Mass., Mich., Mo., Neb., N.B., N.H., N.J., N.M., N.Y., Pa., Tex., Va., W.Va., Wis.]

- Ephialtes aequalis* Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *d*, Pa., W.Va.]
- Itoplectis annulipes* Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *d*, W.Va.] Misdetermined.
- Ephialtes aequalis* Champlain, Psyche, 1922, 29: 97. [host *l*, Pa.]
- Ephialtes aequalis* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *l*, Ark.]
- Ephialtes aequalis* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16. [host *h*, Va.]
- Ephialtes* (*Ephialtes*) *aequalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes aequalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [host *t*, Me.]
- Ephialtes* (*Ephialtes*) *aequalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [host *l*, N.Y.]
- Ephialtes aequalis* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Ephialtes aequalis* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *m*, Ont.]
- Ephialtes aequalis* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *m*, N.J.]
- Ephialtes aequalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Ephialtes aequalis* Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host *w*, Wis.]
- Ephialtes aequalis* Hinds and Osterberger, Jour. Econ. Ent., 1931, 24: 1172. [host *y*, La.]
- Ephialtes aequalis* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *c*, Me.]
- Ephialtes aequalis* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *m*, Mich.]
- Ephialtes aequalis* Nettles, Jour. Econ. Ent., 1934, 27: 814. [host *m*, S.C.]
- Ephialtes aequalis* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *m*, Md.]
- Ephialtes aequalis* Farquhar, Psyche, 1934, 41: 29. [host *b*, Mass.]
- Ephialtes aequalis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, N.J.]
- Ephialtes aequalis* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *m*, Del.]
- Ephialtes aequalis* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *m*, Ont.]
- Ephialtes aequalis* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *m*, Ohio]
- Ephialtes aequalis* Marsh, Ecology, 1937, 18: 108. [host *bb*]
- Ephialtes aequalis* Langford, Jour. Econ. Ent., 1937, 30: 322. [host *f*, Md.]
- Ephialtes aequalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [host *c*, Me.]
- Ephialtes aequalis* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *m*, Conn.]

- Ephialtes aequalis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Ephialtes rufusculus Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Pimpla aequalis Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
Pimpla aequalis Townes, Ann. Ent. Soc. Amer., 1940, 33: 308. [key, syn., des.,
 biol., host *c l m*, Ala., Ark., Conn., Fla., Ill., Ind., Ia., La., Me., Md., Mass.,
 Mich., Neb., N.B., N.H., N.J., N.Y., N.C., Ohio, Ont., Pa., Que., R.I.,
 S.C., Tenn., Tex., Va., W.Va.]
Ephialtes aequalis Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *m*,
 Del.]
Ephialtes aequalis Neiswander, Jour. Econ. Ent., 1941, 34: 388. [host *s*, Ohio]
 PSYCHIDAE: a, *Eurukuttarus confederatus*; b, *Fumaria casta*. COLEOPHORIDAE: c,
Coleophora salmani. AGERIIDAE: d, *Conopia pyri*; e, *Sanninoidea pictipes*. GELECHI-
 IDAE: f, *Dichomeris marginella*; g, *Gnorimoschema gallaeasteriella*; h, *Gnorimoschema*
operculella; i, *Recurvaria nanella*. TORTRICIDAE: j, *Argyrotaenia quercifolia*; k, *Peronea*
oxycozana. OLETHREUTIDAE: l, *Carpocapsa pomonella*; m, *Grapholitha molesta*; n,
Gretchena bolliana. PHYCITIDAE: o, *Acrobasis juglandis*; p, *Euzophera semifuneralis*.
 CRAMBIDAE: q, *Chilo* sp. near *plejudellus*; r, *Crambus trisectus*. GEOMETRIDAE: s,
Coryphista meadii. LYMANTRIIDAE: t, tussock moth. NOTODONTIDAE: u, *Datana minis-*
tra; v, *Fentonia marthesia*. PHALAENIDAE: w, *Achatodes zeae*; x, *Alabama argillacea*;
 y, *Anticarsia gemmatilis*. NYMPHALIDAE: z, ?*Asterocampa clyton*. PAPILIONIDAE: aa,
Papilio marcellus. ICHNEUMONIDAE: bb, *Gambrus extrematis*. Miscellaneous: cc, leaf
 roller on *Fragaria* sp.

Coccygomimus aquilonius (Cresson) new combination

- Pimpla aquilonia* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♂. [key,
 o.d., Me. (A.N.S.P.)]
Meniscus marginatus Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 802).
 ♀. [o.d., Quebec, Que. (M.P.Q.)]
Bassus cylindricus Provancher, Addit. Faune Canada, Hymén., 1889, p. 111.
 ♂, ♀. [o.d., Ottawa, Ont. and Cap Rouge, Que. (M.P.Q.)]
Pimpla inquisitor Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
 Misdetermined.
Pimpla annulipes Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.
 (in part)]
Pimpla annulipes Davis, Canad. Ent., 1894, 26: 321. [syn. (in part)]
Pimpla annulipes Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn. (in part)]
Itopectis exareolata Ashmead, Psyche, 1901, 9: 147. ♀. [o.d., Las Vegas
 Range between Pecos and Sapella rivers, 11,000 ft., N.M. (U.S.N.M.)]
 New synonymy.
Pimpla yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 200. ♂.
 [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.
Scambus (*Itopectis*) *marginatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 322. [syn. (in part)]
Itopectis marginatus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
 [Minn.]
Pimplidea tenuicornis Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key,
 syn. (in part)]

- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 12. [syn. (in part)]
Ephialtes (*Ephialtes*) *yakutatensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 334. ♂. [key, des., Alaska]
Ephialtes (*Ephialtes*) *aquilonia* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. [key, des.]
Ephialtes (*Ephialtes*) *exareolata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. ♀. [key, des.]
Ephialtes aquilonia Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
Ephialtes (*Ephialtes*) *aquilonia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [N.Y.]
Ephialtes aquilonia Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *a*, Me.]
Pimpla aquilonia Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
Pimpla aquilonia Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 303. ♂, ♀. [key, syn., des., fig., biol., host *a*, Alaska, Asia, Conn., Europe, Me., Mass., Minn., N.B., N.H., N.Y., N.S., Ont., Que., Sask.]
 COLEOPHORIDAE: *a*, *Coleophora salmani*.

Coccygomimus ellopiae (Harrington) new combination

- Pimpla ellopiae* Harrington, Canad. Ent., 1892, 24: 99. ♂, ♀. [o.d., host *a*, Victoria, B.C. (C.N.C.)]
Pimpla ellopiae Fletcher, Ann. Rpt. Exp. Farms Canada for 1892, 1893. [host *a*, B.C.]
Ephialtes (*Ephialtes*) *ellopiae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 331. [key, des., Calif.]
 GEOMETRIDAE: *a*, *Lambdina fiscellaria somniaria*.

Coccygomimus inflatus (Townes) new combination

- Pimpla inflata* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 306. ♂, ♀. [key, syn., o.d., fig., host *a b c*, Camp Roosevelt, Lake Sebago, Bear Mt. State Park, N.Y. (Townes Coll.), Ark., Fla., Ill., Ind., Mass., N.Y., Pa., Tex.]
Pimpla inflata Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
 OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*; *c*, *Gretchena bolliana*.

Coccygomimus longigenalis (Cushman) new combination

- Ephialtes* (*Ephialtes*) *longigenalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 332. ♀. [key, o.d., Tuolumne Meadows, Calif., 8600 ft. (U.S.N.M.)]

Coccygomimus maurus (Cresson) new combination

- Pimpla maura* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Tex. (A.N.S.P.)]
Pimpla maura Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]
Pimpla maura Riley and Howard, Bull. U. S. Dept. Agr., Div. Ent., 1902, 38: 109. [host *a*, W.Va.]

Pimpla maura Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 65. [key, des., Ga.]
Ephialtes (Ephialtes) maura Cushman, Proc. U. S. Nat. Mus., 1920, 58: 331.
 [key, des., Tex.]

Ephialtes maura Brimley, Insects of N.C., 1938, p. 409. [N.C.]

Pimpla maura Townes, Ann. Ent. Soc. Amer., 1940, 33: 300. [key, des., host
 b, Fla., N.C., Tex.]

LASIOCAMPIDAE: a, *Malacosoma americanum*. LYMANTRIIDAE: b, *Hemerocampa
 leucostigma*.

Coccygomimus nudus (Townes) new combination

Pimpla nuda Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 306. ♀. [key,
 o.d., fig., host a, Camp Roosevelt, Lake Sebago, Bear Mt. State Park, N.Y.
 (Townes Coll.), Mich., Pa.]

MISCELLANEOUS: a, lepidopteran.

Coccygomimus pedalis (Cresson) new combination

Pimpla pedalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 268. ♂. [o.d., Colo.
 (A.N.S.P.)]

Pimpla pedalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

Pimpla pedalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 132. ♂, ♀. [des.]

Pimpla pedalis Provancher, Nat. Canad., 1873. ♂, ♀. [key, des., biol.,
 Que.]

Pimpla pedalis Provancher, Nat. Canad., 1880, 12: 35; (Faune, p. 456). [key,
 des., Que.]

Pimpla pedalis Bruner, Bull. Neb. Agr. Exp. Sta., 1890, 14: 37. [fig., host h]

Pimpla pedalis Smith, Rpt. N.J. Geologist, 1890. [N.J.]

Pimpla pedalis Davis, Insect Life, 1891, 4: 66. [host b]

Pimpla pedalis Davis, Ann. Rpt. Ent. Soc. Ont., 1892, 22: 82. [host a, Mich.]

Pimpla pedalis Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Pimpla pedalis Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1892, 19: 116.
 [host m, Mass.]

Pimpla pedalis Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

Pimpla pedalis Slosson, Ent. News, 1894, 5: 4. [N.H.]

Pimpla pedalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Pimpla pedalis Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Pimpla pedalis Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host g, N.Y.]

Pimpla pedalis Weed, Bull. N.H. Agr. Exp. Sta., 1900, 75: 123. [biol., host h,
 N.H.]

Pimpla pedalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 474.
 [N.J., N.Y.]

Pimpla pedalis Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 201-202.
 [biol., host g h s]

Pimpla pedalis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293. [Ariz.]

Pimpla pedalis Nason, Ent. News, 1905, 16: 171. [Ill.]

Pimpla pedalis Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host k, Me.]

Pimpla pedalis Patch, Bull. Me. Agr. Exp. Sta., 1908, 161: 140. [biol., host
 o, Me.]

- Pimpla pedalis* Fletcher, Rpt. Canad. Exp. Farms for 1907-08, 1908, p. 209.
[host *g*, eastern Canada]
- Pimpla pedalis* Fiske and Burgess, Jour. Econ. Ent., 1910, 3: 392. [host *o*]
- Pimpla pedalis* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91:
137-138, 144, 147-149, 237-239. [biol., host *k m*, Mass.]
- Pimpla pedalis* Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102. [host *c*]
- Pimplidea pedalis* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 117. [syn.]
- Pimpla pedalis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 63. [key, des.,
?Canada, Me., N.J., N.Y.]
- Pimpla pedalis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Scambus (Pimplidea) pedalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 320, 323. [key, des., parasite *a*, Conn.]
- Scambus pedalis* Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host *r*]
- Pimplidea pedalis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]
- Ephialtes (Ephialtes) pedalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 333.
[key, des., host *h j l p*, B.C., Calif., Colo., Mass., Mich., Minn., N.H., N.M.,
N.Y., N.S., Pa., Wash., Wis., Va.]
- Ephialtes pedalis* Glendenning, Pamphlet Canad. Dept. Agr., 1924, 50: 13.
[host *n*, B.C.]
- Ephialtis (!) pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 17. [host *h*,
Sask.]
- Ephialtes pedalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes (Ephialtes) pedalis* Collins, Jour. Agr. Res., 1926, 32: 693. [host *o*,
New England]
- Ephialtes pedalis* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [host *e*,
Mich.] Not fig. 7.
- Pimpla pedalis* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14.
[host *n*, B.C., New England]
- Ephialtes pedalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Ephialtes pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Ephialtes (Ephialtes) pedalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 936. [N.Y.]
- Ephialtes pedalis* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Ephialtes pedalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:
102. [Mass.]
- Pimpla pedalis* Maheux, Nat. Canad., 1930, 57: 249. [host *i*, Que.]
- Ephialtes pedalis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host
h, Ut.]
- Ephialtes pedalis* Schedl, Ztschr. Angew. Ent., 1931, 18: 268-270. [biol., host *e*]
- Ephialtes pedalis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 142. [biol., host *g i o r*]
- Ephialtes pedalis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ephialtes pedalis* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *e*, Ont.]

- Ephialtes pedalis* Felt and Bromley, Jour. Econ. Ent., 1937, 30: 74. [host *g*, Conn.]
- Ephialtes pedalis* Gilliatt, Canad. Ent., 1937, 69: 145. [host *d*, N.S.]
- Ephialtes pedalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]
- Ephialtes* (*Ephialtes*) *pedalis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731, 737. [fig. ♂ genitalia]
- Pimpla pedalis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Ephialtes pedalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Pimpla pedalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 301. [key, des., fig., biol., Alta., Ariz., B.C., Calif., Mass., Mich., N.M., N.J., N.Y., N.S., Ohio, Ont., Que., R.I., Sask., Vt.]
- Ephialtes pedalis* Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16, 17. [host *t u*, Me.]
- Pimpla pedalis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host *f*, Canada]

CERAMBYCIDAE: *a*, *Saperda concolor*; *b*, *Saperda* sp. TORTRICIDAE: *c*, *Archips argyrospila*; *d*, *Argyrotaenia mariana*. GEOMETRIDAE: *e*, *Lambdina fiscellaria fiscellaria*; *f*, *Protoparqua porcelaria*. LASIOCAMPIDAE: *g*, *Malacosoma americanum*; *h*, *Malacosoma disstria*. LYMANTRIIDAE: *i*, *Hemerocampa leucostigma*; *j*, *Notolophus antiquus badius*; *k*, *Nygmia phaeorrhea*; *l*, *Olene plagiata pinicola*; *m*, *Porthetria dispar*; *n*, *Stilpnotia salicis*. NOTODONTIDAE: *o*, *Heterocampa guttivitta*. PHALAEENIDAE: *p*, *Cirphis unipuncta*. ARCTIIDAE: *q*, *Halisidota maculata*; *r*, *Halisidota* sp.; *s*, *Isia isabella*. DIPRIONIDAE: *t*, *Diprion hercyniae*; *u*, *Neodiprion* sp.

Parasite: ICHNEUMONIDAE: *a*, ?*Theronia hilaris*.

***Coccygomimus punicipes* (Cresson) new combination**

- Pimpla punicipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 398. ♀. [o.d., Orizaba, Mexico (A.N.S.P.)]
- Pimpla feralis* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 399: ♂. [o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.
- Pimpla puniceipes* Dalla Torre, Cat. Hymen., 1901, 3: 446. Emendation of *Pimpla punicipes* Cresson.
- Ephialtes* (*Ephialtes*) *punicipes* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 336. [key, des., Tex.]

***Coccygomimus sanguineipes* (Cresson) new combination**

- Pimpla sanguineipes* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d. Bosque Co., Tex. (U.S.N.M.)]
- Pimpla sanguinipes* (!) Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla* (*Pimpla*) *erythropus* Viereck, Ent. News, 1909, 20: 291. ♀. [o.d., Sommerdale, Calif. (U.S.N.M.)]
- Pimpla sanguinipes* (!) Ainslie, Bull. U. S. Dept. Agr., Bur. Ent., 1910, 85: 88. [fig., host *p*, N.M.]
- Ephialtes* (*Ephialtes*) *sanguineipes* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 335. [key, syn., des., host *c i j k n o*, B.C., Calif., Colo., N.M., Ore., Tex., Wash.]

- Ephialtes sanguinipes* (!) Wakeland, Cir. State Ent. Colo., 1920, 28: 19. [host *m*, Colo.]
Pimplidea sanguineipes Chittenden, Canad. Ent., 1922, 54: 174. [host *f*, Calif.]
Ephialtes sanguineipes Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 9. [syn., des. (in part)]
Ephialtes sanguineipes Flanders, Pan-Pacific Ent., 1926, 2: 185. [host *c*, Calif.]
Ephialtes sanguineipes Flanders, Pan-Pacific Ent., 1926, 3: 44. [host *c*, Calif.]
Ephialtes sanguinipes (!) Pack, Bull. Ut. Agr. Exp. Sta., 1930, 216: 10-11. [biol., host *d*, Ut.]
Ephialtes sanguineipes Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *d*, Ut.]
Ephialtes sanguinipes (!) Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host *h*, Ore.]
Ephialtes sanguineipes Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *l*]
Ephialtes sanguineipes Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host *a*, Calif.]
Ephialtes sanguineipes McKenzie, Monthly Bull. Calif. Dept. Agr., 1933, 22: 412. [host *g*, Calif.]
Ephialtes sanguineipes Donohoe and Kaloostian, Jour. Econ. Ent., 1937, 30: 967. [host *e*, Calif.]
Ephialtes sanguineipes Bedard, Canad. Ent., 1938, 70: 195. [host *b*, Ida.]
Ephialtes sanguineipes Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

GELECHIIDAE: *a*, *Anarsia lineatella*. TORTRICIDAE: *b*, *Archips fumiferana*. OLETHREUTIDAE: *c*, *Carpocapsa pomonella*. PHYCITIDAE: *d*, *Zophodia convolutella*. PYRAUSTIDAE: *e*, *Desmia funeralis*; *f*, *Phlyctaenia rubigalis*; *g*, *Tholera reversalis*. GEOMETRIDAE: *h*, *Lambdina* sp.; *i*, *Prochoerodes forficaria catenulata*. LASIOCAMPIDAE: *j*, *Malacosoma fragile*. LYMANTRIIDAE: *k*, *Hemerocampa oslari*; *l*, *Hemerocampa pseudo-tsugata*. PHALAENIDAE: *m*, *Peridromia margaritosa*. ARCTIIDAE: *n*, *Diacrisia virginica*. SATURNIIDAE: *o*, *Hemileuca maia*; *p*, *Hemileuca oliviae*.

Coccygomimus silvicola (Walley) new combination

Pimpla silvicola Walley, Canad. Ent., 1941, 73: 164. ♂, ♀. [o.d., Steelhead, B.C. (C.N.C.), Ore., Wash.]

Coccygomimus sodalis (Ruthe) new combination

- Pimpla sodalis* Ruthe, Stettin. Ent. Ztg., 1859, 20: 371. ♂, ♀. [o.d., Iceland (location of type unknown)]
Pimpla Nordenskiöldii Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 97. [Greenland]
Pimpla Nordenskiöldi Aurivillius, Bihang. Svensk. Vet.-Akad. Handl., 1890, 15: 29. [Greenland]
Pimpla sp. Lundbeck, Meddel. om Grønland, 1895, 19: 109. [host *a*, Greenland]
Pimpla Nordenskiöldii Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 230. [Greenland]

- Pimpla Nordenskiöldii* Nielsen, Meddel. om Grønland, 1907, 29: 385. [host *a*, Greenland]
- Pimpla sodalis* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. ♀. [syn., des., Greenland]
- Pimpla sodalis* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 529. [syn., Greenland]
- Ephialtes (Ephialtes) sodalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 332. [key, des.]
- Pimpla sodalis* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 8. [Europe, Greenland]
- Pimpla sodalis* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 608. [Greenland, Iceland, Norway, Pyrenees, Scotland, Switzerland]
- Pimplidea sodalis* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]
- Pimpla sodalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 300. [key, des., Alaska, Man.] "Ont." in reference was an error for Man.
- Pimpla sodalis* Walley, Canad. Ent., 1941, 73: 165. [Baffin Is.]
- NYMPHALIDAE: *a*, *Argynnis* sp.

***Coccygomimus tenuicornis* (Cresson) new combination**

- Pimpla tenuicornis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]
- Pimpla tenuicornis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]
- Pimpla tenuicornis* Provancher, Nat. Canad., 1873, 5: 451. ♂, ♀. [key, des., Que.]
- Pimpla tenuicornis* Provancher, Nat. Canad., 1880, 12: 35; (Faune, p. 457). [key, des., Que.]
- Pimpla tenuicornis* Provancher, Nat. Canad., 1887, 16: 34, 46. [Que.]
- Pimpla tenuicornis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla tenuicornis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla tenuicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [host *a*, N.J.]
- Pimpla tenuicornis* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla tenuicornis* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 138. Note on Forbush and Fernald record.
- Pimpla turionellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 66. [syn., des. (in part)]
- Pimpla tenuicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Scambus (Delomerista) tenuicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [des., Conn.]
- Scambus (Pimplidea) turionellae* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [syn., des., N.Y. (in part)]
- Pimplidea tenuicornis* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key, syn. (in part)]
- Itoplectis tenuicornis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Ephialtes (Ephialtes) tenuicornis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 338. [key, syn., des., B.C., Colo., Ill., Mass., Mich., N.B., N.H., N.J., N.Y., N.S., Vt. (in part)]
- Ephialtes tenuicornis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes (Ephialtes) tenuicornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [N.Y.]
- Ephialtes tenuicornis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Ephialtes tenuicornis* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Ephialtes tenuicornis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Ephialtes tenuicornis* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]
- Ephialtes tenuicornis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ephialtes (Ephialtes) tenuicornis* Gilliatt, Canad. Ent., 1937, 69: 145. [host b, N.S.]
- Ephialtes tenuicornis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Pimpla tenuicornis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Pimpla tenuicornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 305. [key, des., fig., biol., Colo., Mass., Mich., N.B., N.H., N.Y., N.S., Ont., Que., R.I., Sask., Vt.]
- AEGERIIDAE: a, *Alcathoe caudata*. TORTRICIDAE: b, *Argyrotaenia mariana*.

EPHIALTES Schrank *

- Ephialtes* Schrank, Fauna Boica, 1802, 2: 316.
- Genotype: *Ichneumon compunctor* Linnaeus.
- Apechthis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.
- Genotype: (*Pimpla rubata* (!) Gravenhorst) = *rufatus* Gmelin.
- Apechthis* Thomson, Opusc. Ent., 1889, 12: 1410.
- Genotype: *Apechthis flavonotata* Holmgren.
- Ephialtes annulicornis*** (Cresson) new combination
- Pimpla annulicornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♂, ♀.
- [key, o.d., Ill. (A.N.S.P.) Pa.]
- Pimpla annulicornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn. (in part)]
- Pimpla annulicornis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 135. ♂, ♀.
- [des.]
- Pimpla annulicornis* Provancher, Nat. Canad., 1880, 12: 37; (Faune, p. 458).
- ♂, ♀. [key, des., Que.]
- Pimpla annulicornis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Pimpla annulicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

* In 1940 I used the name *Apechthis* for this genus, following a conservative course because it seemed then that the International Commission would soon make a *nomen conservandum* of *Ephialtes*. This does not now seem likely, so the rules of nomenclature are applied.

- Scambus* (*Pimplidea*?) *annulicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321. [key]
- Scambus* (*Apechthis*) *annulicornis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]
- Apechthis picticornis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352, pl. 21. [key, syn., des., fig.] In part, not Cresson.
- Apechthis picticornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.] Misdetermined.
- ?*Apechthis picticornis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, Mass.] Misdetermined?
- Apechthis annulicornis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Apechthis annulicornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 312. [key, syn., des., Conn., Md., Mass., Mich., N.J., N.Y., Pa., R.I.]
- Apechthis annulicornis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- GEOMETRIDAE: *a*, ?*Ennomos subsignarius*.

Ephialtes componotus (Davis) new combination

- Pimpla componotus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d., Moscow, Ida. (A.N.S.P.)]
- Apechthis componotus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352. [key, des.]

Ephialtes ontario (Cresson) new combination

- Pimpla ontario* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., Canada (A.N.S.P.)]
- Pimpla ontario* Provancher, Nat. Canad. 1880, 12: 37; (Faune, p. 458). ♂, ♀. [key, des., Que.]
- Pimpla Ontario* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla ontario* Johannsen, Bull. Me. Agr. Exp. Sta., 1913, 210: 27. [host *a*, Me.]
- Apechthis ontario* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 33. [key, des., N.S.]
- Apechthis ontario* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 354. [key, des., host *a*, B.C., Calif., Ida., Mich., Ont., Que., Wash.]
- Apechthis ontario* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [host *a*, Me.]
- Apechthis ontario* Schedl, Canad. Ent., 1932, 64: 2. [host *c*, N.S.]
- Apechthis ontario* Hopping, Sci. Agr., 1934, 15: 22. [host *g*, B.C.]
- Apechthis ontario* Gilliatt, Canad. Ent., 1937, 69: 145. [host *b*, N.S.]
- Apechthis ontario* Peck, Canad. Jour. Res., 1937, D, 15: 248. [fig. ♂ genitalia]
- Apechthis ontario* Bedard, Canad. Ent., 1938, 70: 195. [Ida.]
- Apechthis ontario* Townes, Ann. Ent. Soc. Amer., 1940, 33: 310. [key, des., host *a d*, Alaska, B.C., Calif., Ida., Mich., N.Y., N.S., Ont., Que., Wash.]
- Apechthis ontario* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 11, 12, 14. [host *a e f h*, Canada]

TORTRICIDAE: a, *Archips fumiferana*; b, *Argyrotaenia mariana*; c, *Peronea variana*; d, "Tortrix" sp. on wild pea. GEOMETRIDAE: e, *Lambdina fiscellaria fiscellaria*; f, *Lambdina fiscellaria lugubrosa*; g, *Lambdina fiscellaria somnaria*; h, *Nepytia canosaria*.

Ephialtes pacificus (Cushman) new combination

Apechthis pacificus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 353. ♂, ♀. [key, o.d., host a, Portland Ore. (U.S.N.M.)]

LYMANTRIIDAE: a, *Notolophus antiquus*.

Ephialtes picticornis (Cresson) new combination

Pimpla picticornis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., N.J. (A.N.S.P.)]

Pimpla picticornis Provancher, Nat. Canad., 1880, 12: 38; (Faune, p. 459). ♂. [key, des., Que.]

Pimpla picticornis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

Pimpla picticornis Nason, Ent. News, 1905, 16: 171. [Ill.]

Apechthis annulicornis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 33. [key, des., Hudson Bay, N.S.] Misdetermined.

Scambus (Tromatobia?) picticornis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]

Apechthis picticornis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352. pl. 21. [key, syn., des., fig., (in part)]

Scambus picticornis Leiby, Bull. N.C. Dept. Agr. Feb., 1925, p. 9. [host b]

Apechthis picticornis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Apechthis picticornis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Apechthis (!) picticornis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Apechthis ornatulus Walley, Canad. Ent., 1929, 41: 190. ♂. [o.d., host a, Aweme, Man. (C.N.C.), Alta.]

Apechthis picticornis Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Apechthis picticornis Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

Apechthis picticornis Townes, Ann. Ent. Soc. Amer., 1940, 33: 313. [key, syn., des., Me., Mich., N.H., N.Y., Que.]

TORTRICIDAE: a, tortricid pupa. PHYCITIDAE: b, *Acrobasis juglandis*.

ITOPLECTIS Foerster

Itopectis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Ichneumon scanicus* Villers) = *maculator* Fabricius.

Nesopimpla Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 180.

Genotype: *Nesopimpla naranyae* Ashmead

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***Itoplectis atrocoxalis* (Cresson)**

Pimpla atrocoxalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Hudson Bay Terr. (A.N.S.P.)]

Pimpla atrocoxalis Harrington, Canad. Ent., 1897, 29: 46. [host *c*, B.C.]

Pimpla atrocoxalis Cockerell, Ent. News, 1901, 12: 25. [host *b*, N.M.]

Pimpla atrocoxalis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. [N.M.]

Ephialtes (Itoplectis) atrocoxalis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 341. [key, des., host *b e*, Calif., Colo., N.M., Nev., Ut.]

Ephialtes (Itoplectis) atrocoxalis Spencer, Proc. Ent. Soc. B.C., 1936, 32: 27. [host *e*, B.C.]

Itoplectis atrocoxalis Knowlton and Allen, Jour. Econ. Ent., 1937, 30: 784. [host *a*, Ut.]

Ephialtes (Itoplectis) atrocoxalis Jones, Webber, and Dowden, Cir. U. S. Dept. Agr., 1938, 459: 22. [host *d*, Wash.]

Itoplectis atrocoxalis Bedard, Canad. Ent., 1938, 70: 194. [Ida.]

Itoplectis atrocoxalis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *c f*, Ut.]

Itoplectis atrocoxalis Cushman, Proc. U. S. Nat. Mus., 1940, 88: 362. [syn.]

TORTRICIDAE: *a*, *Archips rosaceana*. LASIOCAMPIDAE: *b*, *Malacosoma fragile*; *c*, *Malacosoma* sp. LYMANTRIIDAE: *d*, *Stilpnotia salicis*. PHALAENIDAE: *e*, *Autographa californica*. Miscellaneous: *f*, cutworm.

***Itoplectis behrensii* (Cresson)**

Pimpla Behrensii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 377. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

Pimpla behrensii (!) Doane, Jour. Econ. Ent., 1912, 5: 346. [host *a*, Calif.]

Itoplectis behrensi Burke, Proc. Ent. Soc. Wash., 1919, 21: 125. [host *a*]

Itoplectis behrensi Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524. [host *a*, parasite *a*, Calif.]

Ephialtes (Itoplectis) behrensii Cushman, Proc. U. S. Nat. Mus., 1920, 58: 343. [key, des., host *a*, Calif.]

Itoplectis behrensi Burke and Herbert, Farmer's Bull. U. S. Dept. Agr., 1920, 1076: 10. [fig., host *a*]

Itoplectis behrensi Essig, Ins. of Western N. Amer., 1926, p. 798. [des., fig., Calif.]

DIOPTIDAE: *a*, *Phryganidea californica*.

Parasite. ICHNEUMONIDAE: *a*, *Mastrus aciculatus*.

***Itoplectis brevacus* Townes**

Itoplectis brevacus Townes, Ann. Ent. Soc. Amer., 1940, 33: 315. ♀. [key, o.d., Bar Harbor, Me. (U.S.N.M.)]

***Itoplectis clavicornis* Thomson**

Pimpla (Itoplectis) clavicornis Thomson, Opusc. Ent., 1889, 13: 1409. ♀. [o.d., "Pålsjö nära Helsingborg" Sweden (?Lund Mus.)]

Itoplectis clavicornis Townes, Ann. Ent. Soc. Amer., 1940, 33: 315. ♂, ♀. [key, des., host, Italy, N.Y.]

Itoplectis conquisitor (Say)

?*Ichneumon concitator* (!) Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.

[Mass.] *Nomen nudum*.

Cryptus conquisitor Say, Boston Jour. Nat. Hist., 1836, 1: 232; (Leconte Ed., 2: 689). ♀. [o.d., Ind. (type destroyed)]

Cryptus pleurivinctus Say, Boston Jour. Nat. Hist., 1836, 1: 235; (Leconte Ed., 2: 691). ♂, ♀. [o.d., host *c*, Md. (type destroyed)]

[not named] Gorham, Comm. Rev. South and West, 1847, 3: 539-541. [des., biol., host *sss*, La.]

Pimpla conquisitor Brackett, Practical Ent., 1865, 1: 19. [biol., host *hhh*, Me.]

Pimpla conquisitor Walsh, Canad. Ent., 1869, 2: 12. [syn., des.]

?*Ichneumon concitator* (!) Harris, Occasional Papers Boston Soc. Nat. Hist., 1869, 1: 242. [host *hhh*]

Pimpla conquisitor Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

Pimpla annulicornis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn. (in part)]

Pimpla conquisitor Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]

Pimpla conquisitor Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host *uu*]

Pimpla conquisitor Provancher, Nat. Canad., 1873, 5: 451. [key, des., Que.]

Pimpla pictipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 135. ♀. [o.d., (?Ill.) (type destroyed)] Preoccupied by Gravenhorst, 1829.

Pimpla conquisitor Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 137. ♂, ♀. [syn., des.]

Pimpla conquisitor Comstock, Rpt. U. S. Dept. Agr. Comm. Agr., 1879, p. 220. [host *zz*]

Pimpla conquisitor Comstock, Rpt. on Cotton Insects, 1879, p. 198-200. [syn., des., fig., biol., host *sss*, Ala.]

Pimpla conquisitor Provancher, Nat. Canad. 1880 12: 42; (Faune, p. 463). [key, des.]

Pimpla conquisitor Lintner, Ann. Rpt. Injurious Insects N.Y., 1882, 1: 85. [host *c*, N.Y.]

Pimpla conquisitor Riley, Rpt. U. S. Dept. Agr. Ent. Comm. 1886, 4: 111-113. [des., fig., biol., host *sss*]

Pimpla conquisitor Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

Pimpla conquisitor Weed, Psyche, 1888, 5: 51. [host *lll*, Ohio]

Pimpla conquisitor Riley and Howard, Insect Life, 1888, 1: 161. [host *c yy hhh sss*]

Pimpla conquisitor Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]

Pimpla conquisitor Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Pimpla conquisitor Riley and Howard, Insect Life, 1891, 3: 462. [host *c lll sss*, Calif., Del., D.C., Ga., Miss., Mo., N.J., Tex., Wis. (in part)]

Pimpla conquisitor Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Pimpla conquisitor Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *oooo*, W.Va.]

Pimpla conquisitor Slosson, Ent. News, 1895, 6: 317. [N.H.]

- Pimpla tenuicornis* Forbush and Fernald, The Gypsy Moth, 1896, p. 375.
[host *qqq*] Misdetermined.
- Pimpla conquisitor* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla conquisitor* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 18-19. [fig., biol., host *lll*, D.C.]
- Pimpla conquisitor* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla conquisitor* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [fig., host *hhh*, N.Y.]
- Pimpla conquisitor* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *ww ccc lll*, Mass., N.H.]
- Pimpla conquisitor* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Pimpla conquisitor* Weed and Fiske, Bull. U. S. Dept. Agr. Div. Ent., 1900, 26: 33-34. [biol., host *hhh kkkk*]
- Pimpla conquisitor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [fig., N.J., N.Y.]
- Pimpla conquisitor* Felt, Bull. N.Y. State Mus., 1900, 8, no. 37: 44. [host *iii*, N.Y.]
- Pimpla conquisitor* Weed, Bull. N.H. Agr. Exp. Sta., 1900, 75: 123. [fig., biol., host *iii*]
- Pimpla walshii* Dalla Torre, Cat. Hymen., 1901, 3: 454. New name for *Pimpla pictipes* Walsh.
- Pimpla conquisitor* Howard, The Insect Book, 1902, plate 9, fig. 10.
- Pimpla conquisitor* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 187-198. [fig., biol., host *hhh iii gggg kkkk mmmm*, parasite *b c d*]
- Pimpla conquisitor* Gossard, Bull. Fla. Agr. Exp. Sta., 1905, 79: 295. [host *uu*, Fla.]
- Pimpla conquisitor* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla conquisitor?* Smith, Ann. Rpt. N.J. Agr. Exp. Sta., 1907, 28: 419. [biol., host *c*, N.J.]
- Pimpla conquisitor* Patch, Bull. Me. Agr. Exp. Sta., 1907, 148: 265. [host *n*, Me.]
- Pimpla conquisitor* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *ooo*, Me.]
- Pimpla conquisitor* Schoene, Bull. N.Y. Agr. Exp. Sta., 1909, 312: 47. [host *lll*, N.Y.]
- Pimpla conquisitor* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Pimpla conquisitor* Ainslie, Bull. U. S. Dept. Agr., Bur. Ent., 1910, 85: 88, 89. [fig., host *aaaa*, N.M.]
- Pimpla conquisitor* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 137, 138, 144, 147-149, 238. [biol., host *kkk lll ooo qqq*, Mass.]
- Itoplectis conquisitor* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *kk*, Pa.]
- Pimpla conquisitor* Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 286. [fig., host *m*, N.Y.]

- Pimpla conquisitor* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *c*, Mo.]
- Itopectis conquisitor* Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102. [host *m*]
- Pimpla (Itopectis) conquisitor* Johnston, Jour. Econ. Ent., 1913, 6: 144-147. [biol., host *uuu*]
- Pimpla conquisitor* Britton, Rpt. Conn. Agr. Exp. Sta., 1914, 13: 228. [host *hh*, Conn.]
- Pimpla conquisitor* Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host *y*, Mass.]
- Apechthis conquisitor* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 32. [key, des., host *c*, Ga., Me., Mass., Mexico, N.Y., N.S., western Canada]
- Pimpla (Itopectis) conquisitor* Duporte, Ann. Rpt. Que. Soc. Protect. Plants, 1915, 7: 76. [host *oo nnnn*, Que.]
- Pimpla conquisitor* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [fig., host *m*, N.Y.]
- Itopectis conquisitor* Johnson, Psyche, 1916, 23: 81. [host *n*, Vt.]
- Pimpla conquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Pimpla conquisitor* Wildermuth, Bull. U. S. Dept. Agr., 1916, 443: 10. [fig., host *aaaa*]
- Itopectis conquisitor* Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *uu*, Fla.]
- Pimpla conquisitor* DuPorte, Ann. Rpt. Que. Soc. Protect. Plants, 1917, 9: 133. [fig., host *oo*, Que.]
- Scambus (Itopectis) conquisitor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321, 340. [key, host *hhh*, parasite *a*, Conn.]
- Itopectis conquisitor* Hawley, Mem. Cornell Univ. Agr. Exp. Sta., 1918, 15: 218. [host *p*, N.Y.]
- Scambus conquisitor* Baird, Agr. Gaz. Canad., 1918, 5: 770, 771. [biol., host *n*, N.B.]
- Itopectis conquisitor* Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *r*, N.Y.]
- Itopectis conquisitor* Stearns, Jour. Econ. Ent., 1919, 12: 348. [host *jj*, Va.]
- Ephialtes (Itopectis) conquisitor* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 347. ♂, ♀. [key, syn., des., biol., host *a c j m o r s w x y aa bb cc dd kk mm oo pp qq rr ss vv ww xx zz aaa eee hhh lll mmm sss ttt uuu vvv www yyy hhhh jjjj llll rrrr*, Bermuda Is., Ga., Que., Tex., United States east of Rocky Mts.]
- Ephialtes (Itopectis) temnopleuris* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. ♀. [key, o.d., host *eeee*, "U. S." (U.S.N.M.)]
- Itopectis conquisitor* Regan, Bull. Univ. Mont. Agr. Exp. Sta., 1923, 154: 53. [host *m*, Mont.]
- Pimpla conquisitor* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *gg*, Ark.]
- Itopectis conquisitor* Fracker, Bull. Wis. Dept. Agr., 1923, 52: 80. [host *ppp*, Wis.]
- Itopectis conquisitor* Criddle, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 17-18. [biol., host *ee iii jjj xxx*, Sask.]

- Itoplectis conquisitor* Twinn, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 86. [host dddd, Ont.]
- Itoplectis conquisitor* Lewis, Jour. Econ. Ent., 1925, 18: 611. [host ?ff, Ohio]
- Itoplectis conquisitor* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host l, Pa.]
- Pimpla conquisitor* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 54. [host h, N.J.]
- Itoplectis conquisitor* Leiby, Bull. N.C. Dept. Agr. Feb., 1925, p. 9. [host uu]
- Itoplectis conquisitor* Lewis, Jour. Econ. Ent., 1925, 18: 611. [host ?ff]
- Itoplectis conquisitor* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 41. [biol.]
- Itoplectis conquisitor* (!) Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16-17. [fig., host l, Va.]
- Ephialtes (Itoplectis) conquisitor* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Itoplectis conquisitor* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host jj, N.J.]
- Pimpla conquisitor* Swenk, Res. Bull. Neb. Agr. Exp. Sta., 1927, 40: 45-46. [host ll, Neb.]
- Itoplectis conquisitor* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig., host ddd, Mich.] Fig. 7 is mislabeled *Ephialtes pedalis*.
- Itoplectis conquisitor* Cushman, Jour. Agr. Res., 1927, 34: 619. [biol., host mm]
- Itoplectis conquisitor* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14. [host rrr, New England]
- Itoplectis conquisitor* Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host nn, Neb.]
- Ephialtes (Itoplectis) conquisitor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Ephialtes (Itoplectis) conquisitor* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 17. [host ffff]
- Itoplectis conquisitor* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146, 147. [host c sss, Va.]
- Ephialtes (Itoplectis) conquisitor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [host, N.Y.]
- Itoplectis conquisitor* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Itoplectis conquisitor* Phipps, Bull. Me. Agr. Exp. Sta., 1928, 345: 47. [host ccc, Me.]
- Itoplectis conquisitor* Salman, Ann. Ent. Soc. Amer., 1929, 22: 488. [host f, Me.]
- Itoplectis conquisitor* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host jj, Ont.]
- Itoplectis conquisitor* Tessier, Nat. Canad., 1930, 57: 64. [host ddd, Que.]
- Pimpla conquisitor* Maheux, Nat. Canad., 1930, 57: 249. [host ll, Que.]
- Ephialtes (Itoplectis) conquisitor* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Itoplectis conquisitor* Haeussler, Jour. Agr. Res., 1930, 41: 367. [host jj, Pa.]
- Itoplectis conquisitor* Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host h, N.S.]
- Itoplectis conquisitor* Schedl, Ztschr. Angew. Ent., 1931, 18: 258-260. [fig., biol., host ddd iii]

- Itopectis conquisitor* Fink, Jour. Agr. Res., 1932, 44: 555. [host *ff*, N.J.]
- Itopectis conquisitor* Crowell, Psyche, 1932, 39: 102. [biol.; host *bbb*]
- Itopectis conquisitor* Knull, Jour. Econ. Ent., 1932, 25: 1202. [host *eee*]
- Itopectis conquisitor* Schedl, Canad. Ent., 1932, 64: 2. [host *z*, N.S.]
- Itopectis conquisitor* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *f*, Me.]
- Pimpla conquisitor* Wildermuth and Frankenfeld, Jour. Econ. Ent., 1933, 26: 797. [host *aaaa*]
- Itopectis conquisitor* Montgomery, Canad. Ent., 1933, 65: 186, 188. [host *c ii*, Ind.]
- Ephialtes conquisitor* Plumb and Friend, Bull. Conn. Agr. Exp. Sta., 1933, 347: 100. [host *eee*, Conn.]
- Itopectis conquisitor* Doner, Ann. Ent. Soc. Amer., 1934, 27: 441. [host *e*, Wis.]
- Itopectis conquisitor* Farquhar, Psyche, 1934, 41: 29. [host *b*, Mass.]
- Itopectis conquisitor* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *ddd*, Ont.]
- Ephialtes (Itopectis) conquisitor* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *c ccc eee hhh iii lll nnn www zzz bbbb cccc*, Conn., Me., Mass., N.H., N.J., N.Y., Pa., R.I.]
- Ephialtes conquisitor* Britton, Bull. Conn. Agr. Exp. Sta., 1935, 378: 77. [fig., host *hhh*, Conn.]
- Ephialtes conquisitor* Putman, Canad. Ent., 1935, 67: 107, 108, 109. [host *u v bb hh*, Ont.]
- Itopectis conquisitor* Houser, Ann. Ent. Soc. Amer., 1935, 28: 106. [host *w*, Ohio]
- Itopectis conquisitor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *jj*, Ont.]
- Scambus (Itopectis) conquisitor* Underhill, Jour. Econ. Ent., 1935, 28: 396. [host *g*]
- Itopectis conquisitor* Daviault, Nat. Canad., 1935, 62: 245, 318, 319. [biol., host *i*, Que.]
- Apechthis conquisitor* Eidmann, Arb. Morph. u. Tax. Ent., 1935, 2: 102. [Labrador, Mexico]
- Itopectis conquisitor* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *ff jj*, Del.]
- Ephialtes (Itopectis) conquisitor* Doner, Ann. Ent. Soc. Amer., 1936, 29: 228. [biol., Wis.]
- Itopectis conquisitor* Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host *n*, Minn.]
- Itopectis conquisitor* Balduf, Proc. Ent. Soc. Wash., 1937, 39: 173. [des., fig., biol., host *c*, Ill., N.J.]
- Itopectis conquisitor* Peck, Canad. Jour. Res., 1937, D, 15: 245, 452. [fig. ♂ genitalia]
- Itopectis conquisitor* Langford, Jour. Econ. Ent., 1937, 30: 322. [host *k*, Md.]
- Ephialtes (Itopectis) conquisitor* Doner, Summ. Doctoral Disser. Univ. Wis., 1937, 1: 28. [host *e*, Wis.]

- Ephialtes (Itopectis) conquisitor* Gilliatt, Canad. Ent., 1937, 69: 145. [host *q*, N.S.]
- Ephialtes (Itopectis) conquisitor* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]
- Itopectis conquisitor* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [host *tt iii pppp qqqq*, Me.]
- Ephialtes conquisitor* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Ephialtes conquisitor* Twinn, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 131. [biol., host *o*, Man.]
- Ephialtes conquisitor* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70: 87. [Que.]
- Itopectis conquisitor* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Ephialtes conquisitor* Daviault, Nat. Canad., 1939, 66: 183. [host *n qq*, Que.]
- Itopectis conquisitor* Beaulne, Nat. Canad., 1939, 66: 95. [host *n*, Que.]
- Itopectis conquisitor* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Ephialtes (Itopectis) conquisitor* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]
- Itopectis conquisitor* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *d*, Va.]
- Ephialtes conquisitor* Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *ll*, B.C.]
- Itopectis conquisitor* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 316. [key, syn., des., fig., biol., host *fff*, Ark., Bermuda Is., Calif., Colo., Ill., Me., Mass., Mich., Mo., Mont., N.M., N.Y., N.D., Ont., Pa., Que., R.I., Tex., Va.]
- Itopectis conquisitor* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8, 11, 14. [host, *o ggg nnn*, Canada]
- Itopectis conquisitor* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *jj*, Del.]

CERAMBYCIDAE: a, *Oncideres cingulatus*. PSYCHIDAE: b, *Fumaria casta*; c, *Thyridopteryx ephemeraeformis*. COLEOPHORIDAE: d, *Coleophora maliworella*; e, *Coleophora pruniella*; f, *Coleophora salmani*. AGERIIDAE: g, *Conopia scitula*. GLYPHIPTERYGIDAE: h, *Anthophila pariana*. OECOPHORIDAE: i, *Psilocorsis* sp. EPERMENIIDAE: j, *Epermenia cicutaella*. GELECHIIDAE: k, *Dichomeris marginella*; l, *Gnorimoschema operculella*. TORTRICIDAE: m, *Archips argyrosipila*; n, *Archips cerasivorana*; o, *Archips fumiferana*; p, *Archips rosaceana*; q, *Argyrotaenia mariana*; r, *Argyrotaenia pinatubana*; s, *Argyrotaenia quercifolia*; t, *Argyrotaenia velutinana*; u, *Argyrotoxa albicomana*; v, *Argyrotoxa semipurpurana*; w, *Homona fervidana*; x, *Peronea hastiana*; y, *Peronea minuta*; z, *Peronea variana*; aa, *Peronea* sp. on *Carpinus carolinana*; bb, *Sparganothis peltitana*; cc, tortricid on *Quercus* sp.; dd, tortricid on cedar; ee, tortricid. OLETHREUTIDAE: ff, *Ancylis comptana*; gg, *Carpocapsa pomonella*; hh, *Exartema cornanum*; ii, *Exartema ferriferanum*; jj, *Grapholitha molesta*; kk, *Polychrosis viteana*; ll, *Rhyacionia buoliana*; mm, *Rhyacionia frustrana*; nn, *Rhyacionia frustrana bushnelli*; oo, *Spilonota ocellana*. PTEROPHORIDAE: pp, *Pterophorus periscelidactylus*. PHYCITIDAE: qq, *Acrobasis betulella*; rr, *Acrobasis caryalbella*; ss, *Acrobasis caryvorella*; tt, *Acrobasis comptoniella*; uu, *Acrobasis juglandis*; vv, *Acrobasis kearfottella*; ww, *Acrobasis rubrifasciella*; xx, *Acrobasis* sp.; yy, *Mineola indi-*

genella. PYRAUSTIDAE: zz, *Diaphania hyalinata*; aaa, *Diaphania quadristigmatis*; bbb, *Pyrausta nubilalis*. GEOMETRIDAE: ccc, *Cingilia catenaria*; ddd, *Lambdina fiscellaria fiscellaria*; eee, *Ennomos subsignarius*; fff, *Nematocampa limbata*; ggg, *Nepytia canosaria*. LASIOCAMPIDAE: hhh, *Malacosoma americanum*; iii, *Malacosoma disstria*; jjj, *Malacosoma fragile*; kkk, *Malacosoma* sp. LYMANTRIIDAE: lll, *Hemerocampa leucostigma*; mmm, *Hemerocampa* sp.; nnn, *Notolophus antiquus*; ooo, *Nygmia phaeorrhea*; ppp, *Olene leucophaea*; qqq, *Porthetria dispar*; rrr, *Stilpnotia salicis*. PHALAEINIDAE: sss, *Alabama argillacea*; ttt, *Anomis erosa*; uuu, *Autographa brassicae*; vvv, *Bleptina* sp. ARCTIIDAE: www, *Hyphantria cunea*; xxx, *Hyphantria* sp. SATURNIIDAE: yyy, *Hemileuca lucina*; zzz, *Hemileuca lucina* or *maia*; aaaa, *Hemileuca oliviae*. NYMPHALIDAE: bbbb, *Nymphalis antiopa*; cccc, *Vanessa cardui*. PIERIDAE: dddd, *Pieris rapae*. PAPILIONIDAE: eeee, *Papilio marcellus*. BRACONIDAE: ffff, *Apanteles melanoscelus*; gggg, *Rogas stigmator*; hhhh, *Rogas terminalis*. ICHNEUMONIDAE: iiiii, *Campoplegidea ellopiae*; jjjjj, *Gambrus extrematis*; kkkk, *Hyposoter fugitivus*; llll, *Iseropus coelebs*; mmmmm, *Phobocampe disiocampae*. Miscellaneous: nnnnn, bud moth; ooooo, lepidopteran on *Aesculus* sp.; ppppp, lepidopteran on *Myrica gale*; qqqqq, leaf miners; rrrrr, leaf tyer on *Quercus*, sp.

Parasite. ICHNEUMONIDAE: a, *Phobetes thyridopteryx*; b, *Theronia atalantae*. CHALCIDIDAE: c, *Dibrachys cavus*; d, *Coelopisthia suborbicularis*.

Itopectis evetriae Viereck

Itopectis evetriae Viereck, Proc. U. S. Nat. Mus., Apr. 1913, 44: 565. ♂.

[o.d., host c, Yreka, Calif. (U.S.N.M.)]

Itopectis plesia Rohwer, Proc. Ent. Soc. Wash., Jan. 22, 1914, 15: 182. ♀.

[o.d., Camas, Mont. (U.S.N.M.)]

Ephialtes (Itopectis) evetriae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 342.

[key, des., host a b e f, Mont., Ore.]

Ephialtes evetriae Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host d, B.C.]

OLETHREUTIDAE: a, *Barbara colfaxiana siskyouana*; b, *Barbara colfaxiana taxifoliella*; c, "*Evetria*" sp.; d, *Rhyacionia buoliana*. PHYCITIDAE: e, *Dioryctria cambiicola*; f, *Dioryctria zimmermani*.

Itopectis obesus Cushman

Itopectis obesus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 467. ♂, ♀. [o.d., host n, Wenatchee, Wash. (U.S.N.M.)]

Ephialtes (Itopectis) obesus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 344.

♂, ♀. [key, des., host d e h, B.C., Calif., Wash.]

Ephialtes (Itopectis) latus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀.

[key, o.d., host a, Albee, Ore. (U.S.N.M., n. syn.), N.M., Wash.]

Ephialtes (Itopectis) montana Cushman, Proc. U. S. Nat. Mus., 1920, 58: 346.

♀. [key, o.d., Colo. (U.S.N.M.), Alaska, N.M.] New synonymy.

Ephialtes cacoeciae Viereck, Canad. Ent., 1924, 56: 64. ♂, ♀. [o.d., host d, Vernon, B.C. (C.N.C.)] New synonymy.

Ephialtes (Itopectis) montana Viereck, Canad. Ent., 1924, 56: 65. [des.]

Ephialtes (Itopectis) obesus Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host k, Ore.]

Itopectis montana Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

- Itoplectis montana* Schedl, Canad. Ent., 1932, 64: 2. [host *i*, B.C.]
Ephialtes obesus Mathers, Forestry Chron., 1932, 8: 156. [host *e*, B.C.]
Itoplectis obesus Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host *c*, Calif.]
Ephialtes (Itoplectis) obesus Hopping, Sci. Agr., 1934, 15: 21, 22. [host *j*, B.C.]
Itoplectis obesus Peck, Canad. Jour. Res., 1937, D, 15: 252. [fig. ♂ genitalia]
Itoplectis montana Bedard, Canad. Ent., 1938, 70: 195. [host *l*, Ida.]
Itoplectis montana Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
Itoplectis obesus Townes, Ann. Ent. Soc. Amer., 1940, 33: 320. [key, des., host *b*, B.C., Ont., Wash.]
Ephialtes obesus Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *g*, B.C.]
Itoplectis montana Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 50, 51. [biol., host *m*, Ore.]
Ephialtes montana Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *f*, Canada]

PSYCHIDAE: *a*, *Hyaloscotes fragmentella*. OECOPHORIDAE: *b*, *Depressaria* sp. GELECHIIDAE: *c*, *Anarsia lineatella*. TORTRICIDAE: *d*, *Archips argyrospila*; *e*, *Archips fumiferana*; *f*, *Peronea variana*. OLETHREUTIDAE: *g*, *Rhyacionia buoliana*; *h*, *Spilonota ocellana*. GEOMETRIDAE: *i*, *Lambdina fiscellaria fiscellaria*; *j*, *Lambdina fiscellaria somnaria*; *k*, *Lambdina* sp. LYMANTRIIDAE: *l*, *Hemerocampa pseudotsugata*. DIPRIONIDAE: *m*, *Neodiprion tsugae*. Miscellaneous: *n*, fruit tree leaf roller.

Itoplectis quadricingulatus (Provancher)

- Pimpla 4-cingulatus* Provancher, Nat. Canad., 1881, 12: 38; (Faune, p. 459). ♀. [key, o.d., Que. (M.P.Q.)]
 ?*Pimpla (Itoplectis) Kolthoffi* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. ♂, ♀. [o.d., Nunasarnausak and Auleitsivik, Greenland (location of type unknown)]
Pimpla 4-cingulata Evans, Canad. Ent., 1896, 28: 11. [Ont.]
 ?*Pimpla Kolthoffi* Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 230. [Greenland]
 ?*Itoplectis Kolthoffi* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. [♂, ♀. des., Greenland]
Ephialtes (Itoplectis) quadricingulatus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 344. [key, des.]
Ephialtes (Itoplectis) leavitti Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀. [key, o.d., St. Johns, N.B. (U.S.N.M.)]
Ephialtes (Itoplectis) pacificus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀. [key, o.d., host *b h*, Menlo Park, Calif. (U.S.N.M.), B.C.] Preoccupied by Harrington, 1894. New synonymy.
Ephialtes (Itoplectis) esuchus Cushman, Proc. Ent. Soc. Wash., 1924, 26: 221. [new name for *Ephialtes pacificus* Cushman]
Ephialtes (Itoplectis) leavitti Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

- ?Pimpla (Itopectis) alternans kolthoffi* Roman, Arkiv för Zoologi, 1931, v. 23 A, no. 6: 3. [syn., Finland, Germany, Greenland, Sweden]
Itopectis leavitti Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
Itopectis leavitti Schedl, Canad. Ent., 1932, 64: 2. [host *e*, N.S.]
Itopectis leavitti Daviault, Nat. Canad., 1935, 62: 239. [host *a*, Que.]
Ephialtes (Itopectis) leavitti Gillialt, Canad. Ent., 1937, 69: 145. [host *d*, N.S.]
Itopectis esuchus Bedard, Canad. Ent., 1938, 70: 194. [host *c*, Ida.]
?Itopectis alternans kolthoffi Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]
Itopectis leavitti Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [host *f*, Me.]
Itopectis quadricingulatus Townes, Ann. Ent. Soc. Amer., 1940, 33: 321. ♂, ♀. [key, syn., des., host *c* g, Alaska, Me., N.S., Ont.]
 GRACILARIIDAE: *a*, *Gracilaria alnivorella*. YPONOMEUTIDAE: *b*, *Euceratia castella*.
 TORTRICIDAE: *c*, *Archips fumiferana*; *d*, *Argyrotaenia mariana*; *e*, *Peronea variana*.
 OLETHREUTIDAE: *f*, *Anchylopera* sp.; *g*, *?Ancylis comptana floridana*; *h*, *Carpocapsa pomonella*.

Subfamily 1. ICHNEUMONINAE

Tribe 4. LYCORINI

TOXOPHOROIDES Cresson

- Toxophoroides* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 406.
 Genotype: *Lycorina? apicalis* Cresson.
Chlorolycorina Cushman, Proc. U. S. Nat. Mus., 1920, 58: 9. New synonymy.
 Genotype: *Glypta scitula* Cresson.

Toxophoroides albomarginatus (Cresson)

- Glypta albomarginata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., Me. (A.N.S.P.)]
Toxophoroides albomarginata Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. [syn.]
Chlorolycorina albomarginata Cushman, Proc. U. S. Nat. Mus., 1920, 58: 10. ♂, ♀. [key, des., host *a* b, Ark., Conn., Wis.]
Chlorolycorina albomarginata Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
Chlorolycorina albomarginata Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Chlorolycorina albomarginata Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
 GELECHIIDAE: *a*, *Dichomeris bipunctella*. PHYCITIDAE: *b*, *Psorosina hammondi*.

Toxophoroides glaucomatus Cushman

- Toxophoroides glaucomatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 12. ♀
 [key, o.d., Plummer's Is., Md. (U.S.N.M.)]
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Toxophoroides scitulus (Cresson)

Glypta scitula Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., N.J. (A.N.S.P.)]

Glypta scitula Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 129. ♀. [des.]

Glypta scitula Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, D.C.]

Ctenochira scitula Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [syn.]

Toxophoroides scitula Viereck, Proc. U. S. Nat. Mus., 1911, 40: 196. [syn.]

Glypta (*Toxophoroides*) *scitula* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

Chlorolycorina scitula Cushman, Proc. U. S. Nat. Mus., 1920, 58: 9. [key, host *b*, biol., Fla.]

Chlorolycorina scitula Marshall and Musgrave, Canad. Ent., 1937, 69: 101. [host *c*, Ind.]

TINEIDAE: *a*, tineid on *Malus pumila*. EPIPASCHIIDAE: *b*, *Tetralopha subcanalis*. Miscellaneous: *c*, leaf roller on *Rubus allegheniensis*.

Toxophoroides soror (Cushman) new combination

Chlorolycorina soror Cushman, Proc. U. S. Nat. Mus., 1920, 58: 10. ♀. [key, o.d., Las Cruces, N.M. (U.S.N.M.)]

Toxophoroides xanthozonatus (Ashmead)

Glypta xanthozonata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 449. ♂. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

Toxophoroides xanthozonata Viereck, Proc. U. S. Nat. Mus., 1911, 40: 195. [syn.]

Toxophoroides xanthozonata Cushman, Proc. U. S. Nat. Mus., 1920, 58: 11. ♂. [key, des.]

TORTRICIDAE: *a*, tortricid on *Quercus* sp.

Subfamily 1. ICHNEUMONINAE

Tribe 5. EUGALTINI

POEMENIA Holmgren

Poemenia Holmgren, Öfvers. Svensk. Vet.-Akad. Förh. 1859, 16: 130.

Genotype: *Poemenia notata* Holmgren.

Calliclisis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Ephialtes hecticus* Gravenhorst.

Phthinodes Tschek, Verh. Zool.-Bot. Ges. Wien, 1868, 18: 272.

Genotype: *Ephialtes hecticus* Gravenhorst.

Euxorides Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167.

Genotype: *Euxorides americanus* Cresson.

Lissonotopsis Habermehl, Ztschr. Wiss. Ins.-Biol., 1917, 13: 234, 306.

Genotype: (*Lissonotopsis rufa* Habermehl) = *hectica* Gravenhorst.

Poemenia albipes (Cresson)

Ephialtes albipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., N.J. (A.N.S.P.)]

Ephialtes albipes Provancher, Nat. Canad., 1880, 12: 20; (Faune p. 452). ♂, ♀: [key, des., Que.]

Ephialtes albipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.J.]

Ephialtes albipes Nason, Ent. News, 1905, 16: 171. [Ill.]

Ichneumon albipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]

Poemenia albipes Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 450. [key, des., ?Ida., N.Y., Va.]

Poemenia albipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Poemenia albipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Poemenia albipes Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]

Poemenia albipes Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

Poemenia americana (Cresson)

Euxorides americanus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [o.d., Pa. (A.N.S.P.), Conn., Tex.]

Euxorides americanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

Euxorides americanus Provancher, Addit. Faune Canada Hymén., 1886, p. 116. ♀. [des., Que.]

Euxorides americanus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Euxorides americanus Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218. [W.Va.]

Euxorides americanus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Calliclisis americanus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [syn.]

Euxorides americanus Nason, Ent. News, 1905, 16: 172. [Ill.]

Euxorides (Calliclisis) americanus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]

Poemenia americana Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 451. [key, des., host a b, Calif., Colo., Ore., W.Va.]

Poemenia americana Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Poemenia americana Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Poemenia americana Taylor, Ent. Amer., 1929, 10: 39. [Mass.]

CERAMBYCIDAE: a, *Paratimia conicola*. OLETHREUTIDAE: b, *Laspeyresia* sp.

Poemenia thoracica (Cresson)

Ephialtes thoracicus Cresson, Proc. Acad. Sci. St. Louis, 1878, p. 377. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

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Ephialtes thoracicus Nason, Ent. News, 1905, 16: 171. [Ill.]

Poemenia thoracica Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 449. [key, des.]

Poemenia vancouveriensis (Provancher)

Euxorides Vancouveriensis Provancher, Addit. Faune Canada, Hymén., 1883, p. 369. ♀. [o.d., Vancouver Is., B.C. (M.P.Q.)]

Ephialtes vancouverensis Harrington, Canad. Ent., 1894, 26: 249. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Poemenia vancouverensis (!) Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 450. [key, des., host *a*, B.C., Colo.]

Poemenia vancouverensis (!) Essig, Insects of Western N. Amer., 1926, p. 793. [Calif., Colo., B.C., Nev.]

CERAMBYCIDAE: *a*, "*Leptura*" sp.

CLISTOPYGA Gravenhorst

Clistopyga Gravenhorst, Ichneum. Europeae, 1829, 3: 132.

Genotype: *Ichneumon incitator* Fabricius.

Clistopyga atrata Cushman

Clistopyga atrata Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. ♂, ♀. [key, o.d., host *a*, Berkeley, Calif. (U.S.N.M.)]

OEDEMERIDAE: *a*, ?*Calopus angustus*.

Clistopyga canadensis (Provancher)

Polysphincta acuta Provancher, Nat. Canad., 1880, 12: 44; (Faune, p. 465). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Clistopyga Canadensis Provancher, Nat. Canad., 1880, 12: 46; (Faune, p. 467). ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Clistopyga canadensis Davis, Ent. News, 1895, 6: 199. [key.]

Polysphincta acuta Cushman, Proc. U. S. Nat. Mus., 1920, 58: 36. [des.]

Clistopyga canadensis Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 13. ♂, ♀. [key, des., Mass., N.B., N.Y.]

Clistopyga canadensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Clistopyga canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

Clistopyga maculifrons Cushman

Clistopyga maculifrons Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 10. ♀. [key, o.d., Tex. (U.S.N.M.)]

Clistopyga manni Cushman

Clistopyga manni Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 12. ♀. [key, o.d., Pacific Grove, Calif. (U.S.N.M.)]

Clistopyga nigrifrons Cushman

Clistopyga nigrifrons Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 11. ♀.
[key, o.d., host *a*, Mt. View, Calif. (U.S.N.M.)]

Miscellaneous: *a*, spider nest.

Clistopyga pulchripicta Ashmead

Clistopyga pulchripicta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 448. ♀.
[o.d., Tex. (U.S.N.M.)]

Clistopyga pulchripicta Davis, Ent. News, 1895, 6: 199. [key.]

Clistopyga pulchripicta Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 10.
[key, des.]

Clistopyga recurva (Say)

Anomalon recurvus Say, Boston Jour. Nat. Hist., 1836, 1: 243. (Leconte Ed. 2: 698.) ♂, ♀. [o.d., Ind. (type destroyed)]

Clistopyga annulipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 150. ♀. [key, o.d., Mass. (A.N.S.P.)]

Clistopyga annulipes Davis, Ent. News, 1895, 6: 199. [key.]

Clistopyga annulipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317,
[des. Conn.]

Clistopyga recurva Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 9. ♂, ♀.
[key, syn., des., D.C., Miss., N.J., N.C., Tex., Va.]

Clistopyga recurva Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157.
[syn., des., Va.]

Clistopyga recurva Brimley, Insects of N.C., 1938, p. 409. [N.C.]

DIACRITUS Foerster

Diacritus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 191.

Genotype: (*Mesostenus pleurivinctus* Provancher) = *muliebris* Cresson.

Phidias Vollenhoven, Tijdschr. Ent., 1898, 21: 164. Preoccupied by Rafinesque 1815. New synonymy.

Genotype: *Phidias aciculatus* Vollenhoven.

Stenolabis Kriechbaumer, Ent. Nachr., 1894, 20: 58.

Genotype: (*Stenolabis cingulata* Kriechbaumer) = *aciculatus* Vollenhoven.

Diacritus muliebris (Cresson)

Mesoleptus? *muliebris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 102. ♂.
[o.d., W.Va. (A.N.S.P.)]

Mesoleptus variabilis Provancher, Nat. Canad., 1875, 7: 115. ♂. [key, o.d., Que. (M.P.Q.)]

Mesostenus rufipes Provancher, Nat. Canad., 1875, 7: 249. ♀. [o.d.]; 7: 263.
♀. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

Mesoleptus variabilis Provancher, Nat. Canad., 1875, 7: 282. [key]

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- Cryptus rufus* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 342). [syn. (in part).]
Mesoleptus rufipes Provancher, Nat. Canad., 1879, 11: 226; (Faune, p. 399).
 ♀. [key, des.]
Mesoleptus muliebris Provancher, Nat. Canad., 1879, 11: 227 (Faune, p. 400).
 ♂. [key, des.]
Echthrus pediculatus Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 487).
 ♀. [key, o.d., Que. (M.P.Q.)]
Mesostenus pleuricinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 76. ♀. [o.d., Ottawa, Ont. (C.N.C.)]
Mesoleptus rufipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]
Mesoleptus muliebris Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
Echthrus pediculatus Harrington, Canad. Ent., 1893, 25: 32. [key]
Euxorides? pediculatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189, 190. [syn.]
Diacritus muliebris Davis, Canad. Ent., 1895, 27: 288. [syn., des.]
Diacritus pluricinctus (!) Davis, Canad. Ent., 1895, 27: 288. [syn.]
 (Ophioninae) *muliebris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]
Diacritus rufipes Viereck, Bull. U. S. Nat. Mus., 1914, 83: 43. [syn.]
Plectiscidea (Aperileptus?) contentionis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276. ♀. [o.d., N.Y. (A.N.S.P.) Conn.]
Diacritus muliebris Cushman, Proc. Ent. Soc. Wash., 1917, 19: 162-165. [syn., des.]
Zemiodes? variabilis Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn.]
Diacritus muliebris Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]
Diacritus muliebris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

DEUTEROXORIDES Viereck

- ?*Deuteroxorides* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 43.
 Genotype: *Xorides albitarsus* Gravenhorst.
Neoxorides Clément, Festschr. Embrik Strand, 1938, 4: 517. New synonymy.
 Genotype: *Xorides nitens* Gravenhorst.

Deuteroxorides borealis (Cresson)

- Xorides borealis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [o.d., Hudson Bay Territory. (A.N.S.P.)]
Xorides occidentalis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]
Xorides borealis Provancher, Nat. Canad., 1880, 12: 18; (Faune, p. 450). [des. Que.]
Xorides borealis Harrington, Canad. Ent., 1891, 23: 133. [key]
Xorides occidentalis Harrington, Canad. Ent., 1891, 23: 133. [key]

Deuteroxorides borealis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 447. [key, syn., des., host *b c d*, Calif., Colo., Mont., N.J., N.C.]

Deuteroxorides borealis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Deuteroxorides borealis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Alta.]

Deuteroxorides borealis Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Deuteroxorides occidentalis Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

BUPRESTIDAE: *a*, buprestid. CERAMBYCIDAE: *b*, *Atimia dorsalis*; *c*, *Semanotus ligneus*; *d*, *Tetropium velutinum*.

Deuteroxorides caryae (Harrington)

Xorides caryae Harrington, Canad. Ent., 1891, 23: 132. ♂, ♀. [key, o.d., biol., ?Ottawa, Ont. (C.N.C.)]

Deuteroxorides caryae Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 445. [key, des., fig., host *a*, Mich., N.C., Ont., Pa.]

Deuteroxorides caryae Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 182. [biol., N.Y.]

Deuteroxorides caryae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Deuteroxorides caryae Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [host *b*, N.Y.]

Deuteroxorides caryae Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Saperda discoidea*; *b*, ?*Saperda tridentata*.

Deuteroxorides vittifrons (Cresson)

Xorides vittifrons Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., London, Ont. (A.N.S.P.)]

Xorides vittifrons Harrington, Canad. Ent., 1891, 23: 133. [key]

Xorides vittifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.Y.]

Xorides vittifrons, Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [host *a c*]

Xorides vittifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. ♂, ♀. [des.]

Deuteroxorides vittifrons Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 446. [key, des., host *b*, N.Y., N.C., Pa.]

Deuteroxorides vittifrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Deuteroxorides vittifrons Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]

Deuteroxorides vittifrons Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Deuteroxorides vittifrons Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

BUPRESTIDAE: *a*, *Dicerca divaricata*. CERAMBYCIDAE: *b*, *Graphisurus fasciatus*. SIRICIDAE: *c*, *Tremex columba*.

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Subfamily 1. ICHNEUMONINAE

Tribe 6. RHYSSINI

RHYSSA Gravenhorst

Rhyssa Gravenhorst, Ichneum. Europeae, 1829, 3: 260.

Genotype: *Ichneumon persuasorius* Linnaeus.

Cryptocentrum Kirby, in Richardson: Fauna Bor. Amer., 1837, 4: 260.

Genotype: *Cryptocentrum lineolatum* Kirby.

Pararhyssa Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109.

Genotype: *Rhyssa persuasoria* Linnaeus.

Rhyssa alaskensis Ashmead

Rhyssa alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. ♀. [o.d., Fox Point, Alaska (U.S.N.M.)]

Rhyssa skinneri Viereck, Trans. Amer. Ent. Soc., 1903, 29: 86. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Rhyssa alaskensis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 11. [syn.]

Rhyssa skinneri Merrill, Trans. Amer. Ent. Soc., 1915, 41: 141. [key]

Rhyssa persuasoria Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]

Rhyssa alaskensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 419. [key, syn., des., Ida., Wash.]

Rhyssa skinneri Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

Rhyssa hoferi Rohwer

Rhyssa hoferi Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 421. ♀. [key, o.d., Garden of the Gods, Colo. (U.S.N.M.)]

Rhyssa lineolata (Kirby)

Cryptocentrum lineolatum Kirby, in Richardson, Fauna Bor. Amer., 1837, 4: 260. ♂. [o.d., fig., N. America 65° N. (British Mus.)]

Rhyssa albomaculata Cresson, Proc. Ent. Soc. Phila., 1864, 3: 318. ♀. [o.d., N.J. (A.N.S.P.)]

Pararhyssa albo-maculata (!) Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]

Rhyssa albomaculata Provancher, Nat. Canad. 1873, 5: 449. [host *b c*, Que.]

Epirhyssa Crevieri Provancher, Nat. Canad., 1880, 12: 17, (Faune, p. 449). ♂. [o.d., Que. (M.P.Q.)]

Rhyssa albomaculata Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *g*, W.Va.]

Rhyssa albomaculata Hopkins, Bull. W.Va. Agr. Exp. Sta., 1899, 56: 266, 426. [host *e*, W.Va.]

Epirhyssa albomaculata Dalla Torre, Cat. Hymen., 1901, 3: 486. [syn.]

Rhyssa lineolata Morley, Ent., 1909, 42: 133. [notes on type, Ga., Ont.]

Rhyssa persuasoria Morley, Ent., 1910, 43: 243. [notes on type] Misdetermined.

- Rhyssa persuasoria* var. *albomaculata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [syn.]
- Rhyssa lineolata* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 10. [syn., Hudson Bay, N.H., N.Y., N.S., Que.]
- Megarhyssa nitida* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 137. ♂. [key, des.] Misdetermined.
- Rhyssa persuasoria* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]
- Rhyssa albomaculata* Walker, Canad. Ent., 1916, 48: 259. [Newfoundland]
- Rhyssa albomaculata* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta., Newfoundland]
- Rhyssa albomaculata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key, Conn.]
- Rhyssa lineolata* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1918, 10: 99. [host *d*, ?*f*. N.Y.]
- Rhyssa lineolata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 420. [key, syn., des., host *h*, B.C., Colo., Mich., N.Y., Wash., W.Va., Va.]
- Rhyssa lineolata* Champlain, Psyche, 1922, 29: 98. [host *f*, Pa.]
- Rhyssa albomaculata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Rhyssa lineolata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]
- Rhyssa lineolata* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Rhyssa lineolata* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Rhyssa lineolata* Bedard, Canad. Ent., 1938, 70: 195. [host *a* *i*, Ida.]
- Rhyssa lineolata* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70: 87. [Que.]
- Rhyssa lineolata* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]
- MELANDRYIDAE: *a*, *Serropalpus* sp. CERAMBYCIDAE: *b*, *Monochamus scutellatus*; *c*, *Monochamus titillator*; *d*, *Phymatodes dimidiatus*. SIRICIDAE: *e*, *Sirex edwardsii*; *f*, *Urocerus albicornis*; *g*, *Urocerus cyaneus*; *h*, *Xeris* sp.; *i*, siricid.

***Rhyssa persuasoria* (Linnaeus)**

- Ichneumon persuasorius* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 562. [o.d., Europe (Linnean Soc. Coll.).]
- Rhyssa persuasoria* Gravenhorst, Ichneum. Europeae, 1829, 3: 267. [syn., des., Europe]
- Rhyssa persuasoria* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 270. [Canada, Colo.]
- Rhyssa persuasoria* Provancher, Nat. Canad., 1873, 5: 449. [host *c* *d*, Que.]
- Pararhyssa persuasoria* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]
- Rhyssa persuasoria* Provancher, Nat. Canad., 1880, 12: 15. (Faune, p. 447.) [key, des., host *b* *c*]
- Rhyssa persuasoria* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Rhyssa persuasoria* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- MEM. AMER. ENT. SOC., 11 pt. 1.

- Rhyssa persuasoria* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]
- Rhyssa persuasoria* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289. [Colo.]
- Rhyssa persuasoria* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. ["Hudson Bay Slope."]
- Rhyssa persuasoria* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Ont.]
- Rhyssa persuasoria* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 10. [syn., host, Ga., Newfoundland, N.S.]
- Rhyssa persuasoria* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]
- Rhyssa persuasoria* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Que.]
- Rhyssa persuasoria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]
- Rhyssa persuasoria* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 105. [N.Y.]
- Rhyssa persuasoria* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 420. [key, des., host *e f*, Calif., Canada, Colo., D.C., Mich., N.Y., N.C., Tex., Ut., Va.]
- Rhyssa persuasoria* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Rhyssa persuasoria* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]
- Rhyssa persuasoria* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Rhyssa persuasoria* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Rhyssa persuasoria* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Rhyssa persuasoria* Bedard, Canad. Ent., 1938, 70: 195. [host *a g*, Ida.]

MELANDRYIDAE: *a*, *Serropalpus* sp. CERAMBYCIDAE: *b*, *Monochamus notatus*; *c*, *Monochamus scutellatus*; *d*, *Monochamus titillator*. SIRICIDAE: *e*, *Sirex* sp.; *f*, *Xeris* sp.; *g*, siricid.

RHYSELLA Rohwer

Rhyssella Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 422.

Genotype: *Rhyssa nitida* Cresson.

Rhyssella humida (Say)

- Pimpla humida* Say, Boston Jour. Nat. Hist., 1836, 1: 224. (Leconte Ed., 2: 683.) ♀. [o.d., Ind. (type destroyed)]
- Rhyssa humida* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 172. [syn.]
- Rhyssa* (*Pararhyssa*) *humida* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 108. ♀. [des.]
- Rhyssa humida* Patton, Canad. Ent., 1879, 11: 15. [des., biol., host *b*, Conn.]
- Rhyssa humida* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 11. [syn.]
- Megarhyssa humida* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 126. ♀. [key, des.]
- Megarhyssa humida* Rohwer, Ent. News, 1918, 29: 108. [host *d*]

Rhyssella humida Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 423. [key, host *a b d*, Conn., Ill., Ind., N.J., Pa.]

Rhyssella humida Champlain, Psyche, 1922, 29: 98. [host *c*, Pa.]

Rhyssella humida Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]

Rhyssella humida Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Rhyssella humida Hoffman, Bull. Brooklyn Ent. Soc., 1940, 35: 63. [host *e*, N.J.]

XIPHYDRIIDAE: *a*, *Xiphydria abdominalis*; *b*, *Xiphydria attenuata*; *c*, *Xiphydria champlaini*; *d*, *Xiphydria erythrogaster*; *e*, *Xiphydria tibialis*.

***Rhyssella nitida* (Cresson)**

Rhyssa nitida Cresson, Proc. Ent. Soc. Phila., 1864, 3: 319. ♂. [o.d., Va. (A.N.S.P.)]

Rhyssa canadensis Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., "Quebec" (A.N.S.P.)]

Thalessa nitida Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

Rhyssa canadensis Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]

Rhyssa canadensis Provancher, Nat. Canad., 1880, 12: 17; (Faune, p. 449). [key, des.]

Epirhyssa clavata Provancher, Addit. Faune Canada, Hymén., 1886, p. 115. ♀. [o.d., Cap Rouge, Que. (type lost)]

Thalessa nitida Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]

Megarhyssa nitida Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 672. [syn.]

Rhyssa canadensis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 12. [syn.]

Megarhyssa canadensis Merrill, Trans. Amer. Ent. Soc., 1915, 41: 129. ♀. [key, des.]

Megarhyssa nitida Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, Conn.]

Rhyssa sp. Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 175. [fig. ♀.]

Megarhyssa nitida Rohwer, Ent. News, 1918, 29: 108. [host *b*.]

Rhyssella nitida Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 423. [key, syn., des., fig., host *b*, D.C., Md., Mich., N.J., Ohio, Pa., S.C.]

Rhyssella nitida Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Rhyssa canadensis Brues, Psyche, 1927, 34: 80. [host ?*b*, Mass.]

Rhyssella nitida Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]

Rhyssella (!) *nitida* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]

Rhyssella nitida Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Rhyssella nitida Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia.]

Rhyssella nitida Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]

XIPHYDRIIDAE: *a*, *Xiphydria canadensis*; *b*, *Xiphydria maculata*.

MEGARHYSSA Ashmead

Thalessa Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 122. Pre-occupied by Adams 1853.

Genotype: (*Ichneumon clavator* Fabricius) = *superba* Schrank.

Megarhyssa Ashmead, Canad. Ent., 1900, 32: 368. (New name for *Thalessa* Holmgren.)

Megarhyssa atrata (Fabricius)

Vespa ichneumon tripilis, pennsylvaniensis Catesby, Nat. Hist. Carolina Fla., Bahama Is. 1754 1, append.: 4.* ♀. [des., fig., Pa.]

Ichneumon macrurus Linnaeus, Mantissa Plantarum, 1771, 2: 540. [syn. (in part)]

Ichneumon atratus Fabricius, Species Insectorum, 1781, 1: 436. ♀. [o.d., N. America (location of type unknown)]

Ophion atratus Fabricius, System. Piez., 1804, p. 132. [syn.]

Ichneumon tenebrator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 266; 1824, 9: 322. [new name for *Ichneumon atratus* Fabricius] The second reference has not been seen.

Pimpla atrata Dalman, Svensk. Vet.-Akad. Handl., 1825, 46: 195. ♀. [des., fig.]

Pimpla atrata Guérin, Magas. de Zool. 1831, 1, pt. 2: 28. [des., fig.]

Pimpla atrata Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]

Pimpla atrata Harris, Insects Injurious to Vegetation, 1842, p. 391. [biol., host b.]

Rhyssa atrata Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 77. ♀. [des., fig.]

Rhyssa laevigata Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 78. ♂. [o.d., fig., N. Amer. (Paris Mus.)]

?*Rhyssa necator* D'Urban, Ent. Month. Mag., 1865, 2: 71. [biol., Que.] Nomen nudum.

Pimpla (rhyssa) atrata Walsh, Pract. Ent., 1867, 2: 118. [biol., host b]

Thalessa atrata Walsh and Riley, Amer. Ent., 1868, 1: 77. [biol., host c]

Thalessa atrata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

Thalessa atrata Provancher, Nat. Canad., 1873, 5: 446. [key, des., Que.]

Thalessa lunator Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn. (in part)]

Thalessa atrata Provancher, Nat. Canad., 1880, 12: 13; (Faune, p. 445). ♂, ♀. [key, des.]

Rhyssa atrata Harrington, Canad. Ent., 1882, 14: 82. [des., biol.]

Rhyssa atrata Lintner, Cultivator and Country Gentleman, 1883, 48: 561. [biol., host a, N.Y.]

Rhyssa atrata Harrington, Ann. Rpt. Ent. Soc. Ont., 1883, 13: 23-24. [des., biol.]

* Catesby, The Natural History of Carolina, 1748, not seen, but it is probably the same as this reference.

- Thalessa atrata* Harrington, Canad. Ent., 1887, 19: 206-209. [biol.]
Thalessa atrata Lintner, New England Homestead, Aug. 4, 1888, p. 286. This reference not seen.
Thalessa atrata Harrington, Ann. Rpt. Ent. Soc. Ont., 1888, 18: 25. [biol., Ont.]
Thalessa atrata Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
Thalessa atrata Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
Thalessa atrata Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
Thalessa atrata Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *b*, W.Va.]
Thalessa atrata Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Thalessa atrata Lintner, Cultivator and Country Gentleman, 1897, 62: 506. [biol.]
Rhyssa atrata Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Thalessa atrata Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]
Megarhyssa atrata Dalla Torre, Cat. Hymen., 1901, 3: 480. [syn.]
Thalessa atrata Howard, The Insect Book, 1902, plate 9, fig. 1.
Megarhyssa atrata Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Ill., Mo.]
Thalessa atrata Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. [Kans.]
Megarhyssa atrata Greene, Ent. News, 1913, 24: 44. [Pa.]
Thalessa atrata Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 15. [syn., Ill., Mo., N.Y., Ont.]
Megarhyssa atrata Merrill, Trans. Amer. Ent. Soc., 1915, 41: 128. [key, des.]
Thalessa atrata Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [biol., Que.]
Megarhyssa atrata Macnamara, Ann. Rpt. Ent. Soc. Ont. 1916, 46: 59. [biol., fig.]
Megarhyssa atrata Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, fig., Conn.]
Megarhyssa atrator (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
Megarhyssa atrata Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 428. [key, Ark., D.C., Fla., Ga., Ind., Md., Mass., N.Y., Pa., Tenn., Va.]
Megarhyssa atrata Champlain, Ent. News, 1921, 32: 241. [biol., host *b*, Pa.]
Megarhyssa atrata Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 178. [biol., N.Y.]
Megarhyssa atrata Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
Megarhyssa atrata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]
Megarhyssa atrata Caesar and Ross, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 21. [host *b*, Ont.]
Megarhyssa atrata Klugh, Amer. Photography, 1932, 26: 158. [fig., biol.]
Megarhyssa lunator Klugh, Amer. Photography, 1932, 26: 158. [fig., biol.]
 Misetermined.
Megarhyssa atrata Snodgrass, Smithsonian Misc. Coll., 1933, 89, no. 8: 112-114. [fig., morphology]
- MEM. AMER. ENT. SOC., 11 pt. 1.

- Megarhyssa atrata* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]
- Megarhyssa atrata* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa atrata* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [biol., Me.]
- Megarhyssa atrata* Michener, Pan-Pacific Ent., 1939, 15: 127. ♂, ♀. [key]
- Megarhyssa atrata* Beaulne, Nat. Canad., 1939, 66: 95. [host b, Que.]
- NOTODONTIDAE: a, *Datana* sp. SIRICIDAE: b, *Tremex columba*; c, *Urocetus* sp.

***Megarhyssa greeni* Viereck**

- Megarhyssa greeni* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.] Nomen nudum.
- Megarhyssa greeni* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 191. ♂, ♀. [o.d., Harrisburg, Pa. (U.S.N.M.), Canada, Conn., Ind., Mich., N.J.]
- Megarhyssa greeni* Greene, Ent. News, 1913, 24: 44. [Pa.]
- Megarhyssa greeni*, Gibson, Ann. Rpt. Ent. Soc. Ont., 1914, 44: 124. [Ont.]
- Megarhyssa greeni* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 136. [key, des.]
- Megarhyssa greeni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, Conn.]
- Megarhyssa greeni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 426. [key, host a, Ind., N.C., Pa., Que.]
- Megarhyssa grenni* (!) Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 179. [host a, N.Y.]
- Megarhyssa greeni* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Megarhyssa greeni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]
- Megarhyssa greeni* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [biol., Me.]
- Megarhyssa greeni* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa greeni* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Megarhyssa greeni* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 737. [fig. ♂ genitalia]
- Megarhyssa greeni* Michener, Pan-Pacific Ent., 1939, 15: 128. ♂, ♀. [key, des., N.Y.]
- SIRICIDAE: a, *Tremex columba*.

***Megarhyssa icterosticta* Michener new combination**

- Megarhyssa lunator icterosticta* Michener, Pan-Pacific Ent., 1939, 15: 130. ♂, ♀. [o.d., Durango, Colo. (Calif. Acad. Sci.), N.M., Ut.]

***Megarhyssa macrurus macrurus* (Linnaeus) new combination**

- Ichneumon macrurus* Linnaeus, Mantissa Plantarum, 1771, 2: 540. ♀. [o.d., Carolina (location of type unknown)] The synonymy given is erroneous.
- Ichneumon lunator* Fabricius, Species Insectorum, 1781, 1: 430. ♀. [o.d., N. America (location of type unknown)]. New synonymy.
- Pimpla lunator* Fabricius, System Piez., 1804, p. 114. [syn.]
- Pimpla lunator* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]

- Pimpla lunator* Harris, Insects Injurious to Vegetation, 1842, p. 391. [biol., host *a*]
- Rhyssa lunator* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 78. ♀. [des.]
- Pimpla lunator* Emmons, Nat. Hist. N.Y., 1854, (pt. 5) 5: 194. [des., fig., biol., N.Y.]
- Pimpla lunator* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167. [des., fig., Mass.]
- Pimpla lunator* Harris, Insects Injurious to Vegetation, 1863, p. 536. [fig.]
- Rhyssa lunator* D'Urban, Ent. Month. Mag., 1865, 2: 71. [biol., Que.]
- Thalessa lunator* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]
- Rhyssa lunator* Riley, Amer. Ent., 1870, 2: 96. [fig., biol., host *a*]
- Rhyssa lunator* Riley, Amer. Ent., 1870, 2: 128. [biol., host *a*]
- Thalessa lunator* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]
- Thalessa lunator* Provancher, Nat. Canad., 1873, 5: 447. ♂, ♀. [key, des., Que.]
- Rhyssa lunator* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 108. [Ill.]
- Thalessa lunator* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn. (in part)]
- Rhyssa lunator* Westcott, Canad. Ent., 1879, 11: 140. [des.]
- Thalessa lunator* Provancher, Nat. Canad., 1880, 12: 14; (Faune, p. 446). ♂, ♀. [key, des.]
- Rhyssa lunator* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [biol.]
- Rhyssa lunator* Harrington, Canad. Ent., 1882, 14: 82. [des., biol.]
- Rhyssa lunator* Harrington, Ann. Rpt. Ent. Soc. Ont., 1883, 13: 23-24. [des., biol.]
- Pimpla (Rhyssa) lunator* Gade, Bull. Brooklyn Ent. Soc., 1884, 7: 103. [biol.]
- Thalessa lunator* Lintner, Cultivator and Country Gentleman, 1884, 49: 331. [fig., biol., host *a*, Ga.]
- Rhyssa lunator* Riley, Bull. Brooklyn Ent. Soc., 1885, 7: 123. [biol., host *a*, N.H.]
- Rhyssa lunator* Smith, Bull. Brooklyn Ent. Soc., 1885, 7: 124. [biol.]
- Rhyssa lunator* Riley, Proc. Ent. Soc. Wash., 1886, 1: 15. [biol.]
- Thalessa lunator* Harrington, Canad. Ent., 1887, 19: 206-209. [biol.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Mus. Nat. Hist., 1888, 41: 35-42. [des., fig., biol., host *a*]
- Thalessa lunator* Harrington, Ann. Rpt. Ent. Soc. Ont., 1888, 18: 25-27. [biol., Ont.]
- Thalessa lunator* Riley, Insect Life, 1888, 1: 168-179. ♂, ♀. [des., fig., biol., host *a*]
- Rhyssa (Thalessa) lunator* Lintner, Rpt. Injurious and Other Insects of N.Y., 1888, 4: 205. [N.Y.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Ent., 1889, 4: 35-36. [syn., des., fig., biol., Ga., N.Y.]
- ?*Thalessa? histrio* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 487. ♂. [o.d., "America borealis, Whites Mountains" (Vienna Mus.)] New synonymy.

- Thalessa lunator* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Thalessa lunator* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Thalessa lunator* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Mus. Nat. Hist., 1893, 45: 163-166.
[biol., host *a*, N.Y.]
- Thalessa lunator* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *a*,
W.Va.]
- Thalessa lunator* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Thalessa lunator* Lintner, Cultivator and Country Gentleman, 1897, 62: 506.
[biol.]
- Thalessa lunator* Webster, Ohio Farmer, July 27, 1899, p. 62. This reference
not seen.
- Rhyssa lunator* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Thalessa lunator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572.
[fig., biol., N.Y.]
- Megarhyssa lunator* Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- ?*Megarhyssa histrio* Dalla Torre, Cat. Hymen., 1901, 3: 480. [syn.]
- Thalessa lunator* Howard, The Insect Book, 1902, plate 9, fig. 3, 4.
- ?*Epirhyssa histrio* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [syn.]
- Thalessa lunator* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Megarhyssa lunator* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Ky., Mo.]
- Thalessa lunator* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Megarhyssa lunator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627.
[N.J.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 80. [biol.]
- Megarhyssa greeni* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 191. ♂ (not ♀).
[des.]
- Thalessa lunator* Douglas, Ann. Rpt. State Ent. Ind., 1912, 4: 105. [fig., biol.,
host *a*]
- Thalessa lunator* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 17. [Ill., N.Y.,
Ont.]
- Thalessa lunator* Baldwin, Ann. Rpt. State Ent. Ind., 1914, 6: 51. [biol., host
a, Ind.]
- Megarhyssa lunator* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 133. [key, des.,
morphology, fig.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [biol., Que.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 28. [biol.]
- Megarhyssa lunator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325.
[key, fig., host *a*, Conn.]
- Megarhyssa lunatrix* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173,
fig. ♂. [Minn.]
- Megarhyssa lunator* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 427. [key, host
a, Colo., D.C., Ill., Mich., N.J., N.Y., Pa., S.C., Va.]
- ?*Thalessa? histrio* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 428. [syn.]
- Megarhyssa lunator* Barlow, Ent. News, 1921, 32: 291. [biol.]

- Megarhyssa lunator* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 177. [host *a*, N.Y.]
- Thalessa lunator* Cutright, Monthly Bull. Ohio Agr. Exp. Sta., 1924, 9: 92. [des., fig., host *a*]
- Megarhyssa lunator* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 32. [biol.]
- Megarhyssa lunator* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Megarhyssa lunator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]
- Thalessa lunator* McDaniel, Spec. Bull. Mich. Agr. Exp. Sta., 1933, 238: 37. [des., biol., host *a*]
- Megarhyssa lunator*, Woodbury, Ecol. Monog., 1933, 3: 191. [biol., host *a*, Ut.]
- Megarhyssa lunator* Abbott, Jour. N.Y. Ent. Soc., 1934, 42: 127-133. [fig., morphology, biol.]
- Megarhyssa lunator* Abbott, Psyche, 1934, 41: 238-240. [biol.]
- Megarhyssa lunator*, Abbott, Bull. Brooklyn Ent. Soc., 1934, 29: 39-41. [fig., morphology]
- Megarhyssa lunator* Abbott, Bull. Brooklyn Ent. Soc., 1935, 30: 10-13. [morphology]
- Megarhyssa lunator* Britton, Bull. Conn. Agr. Exp. Sta., 1937, 396: 309. [Conn.]
- Megarhyssa lunator* Abbott, Ent. News, 1937, 47: 263-264. [biol.]
- Megarhyssa lunator* Peck, Canad. Jour. Res., 1937 D, 15: 237-240, 246, 247, 251. [morphology of ♂ genitalia, fig.]
- Megarhyssa lunator* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]
- Megarhyssa lunator* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa lunator lunator* Michener, Pan-Pacific Ent., 1939, 15: 129. ♂, ♀. [key, des., N.Y. "Atlantic coast to eastern side of Rocky Mts."]
- Megarhyssa lunator* Beaulne, Nat. Canad., 1939, 66: 96. [host *a*, Que.]
- Thalessa lunator* Kelley, The Nature Mag., 1939, 32: 379-380. [des., fig., biol.]
- Megarhyssa lunator* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Megarhyssa lunator* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]
- Megarhyssa lunator* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

SIRICIDAE: *a*, *Tremex columba*.

***Megarhyssa macrurus phaeoptila* Michener new combination**

- Megarhyssa lunator phaeoptila* Michener, Pan-Pacific Ent., 1939, 15: 129. ♀. [o.d., Victoria, Tex. (U.S.N.M.), La.]

***Megarhyssa nortoni* (Cresson)**

- Rhyssa nortoni* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 317. ♀. [o.d., Colo. (A.N.S.P.)]
- Rhyssa nortoni* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 269. [Colo.]
- Thalessa nortoni* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

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- Thalessa Quebecensis* Provancher, Nat. Canad., 1873, 5: 447. ♂, ♀. [key, o.d., Que. (type lost)]
- Thalessa Nortoni* Provancher, Nat. Canad., 1873, 5: 448. ♂. [key, des., Que.]
- Thalessa Nortoni* Provancher, Nat. Canad., 1880, 12: 13; (Faune, p. 445). ♂, ♀. [key, des.]
- Thalessa nortonii* (!) Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Thalessa nortoni* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [W.Va.]
- Rhyssa nortoni* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Thalessa nortoni* Hopkins, Bull. W.Va. Agr. Exp. Sta. 1899, 56: 266, 426. [W.Va.]
- Megarhyssa nortonii* (!) Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- Megarhyssa quebecensis* Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- Thalessa nortoni* Howard, The Insect Book, 1902, plate 8, fig. 38.
- Thalessa Nortoni* Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C., Que.]
- Thalessa nortoni* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C., Que.]
- Megarhyssa nortoni* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Calif.]
- Thalessa nortoni* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C., Ont.]
- Thalessa superba* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 16. [syn., des., B.C., Europe, Hudson Bay, Mass., N.H., N.Y. (in part)]
- Megarhyssa nortonii* (!) Merrill, Trans. Amer. Ent. Soc., 1915, 41: 131. [key, des., Alaska, Calif.]
- Thalessa nortoni* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [Que.]
- Megarhyssa nortoni* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [N.S.]
- Megarhyssa nortoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key]
- Megarhyssa nortoni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 427. [key, host d, Alaska, Calif., Colo., Kans., N.C., Ut., Wash.]
- Megarhyssa nortoni* Champlain, Psyche, 1922, 29: 98. [host b, Pa.]
- Megarhyssa nortoni* Essig, Insects of Western N. Amer., 1926, p. 795, 796. [des., fig., biol., host a c, Alaska, B.C., Calif., Colo., Nev., Ore., Ut., Wahs.]
- Megarhyssa nortoni* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Megarhyssa nortoni* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Megarhyssa nortoni* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Megarhyssa nortoni* Doane, Van Dyke, Chamberlain, and Burke, Forest Insects, 1936, p. 347. [fig.]
- Megarhyssa nortoni* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa nortoni* Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 406. [biol., Me.]
- Megarhyssa nortoni* Michener, Pan-Pacific Ent., 1939, 15: 128. ♂, ♀. [key, des., B.C., Calif., N.Y., N.S., Ore., Ut., Wash.]
- Megarhyssa nortoni* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- SIRICIDAE: a, *Sirex* sp.; b, *Urocerus albicornis*; c, *Xeris morrisoni*; d, *Xeris* sp.

Subfamily 1. ICHNEUMONINAE

Tribe 7. THERONIINI

THERONIA Holmgren

Theronia Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 123.

Genotype: (*Pimpla flavicans* Fabricius) = *atalantae* Poda.

Pseudacoenites Kriechbaumer, Ent. Nachr., 1892, 18: 219.

Genotype: (*Pseudacoenites moravicus* Kriechbaumer) = *laevigata* Tschek.

Neotheronia Krieger, Sitz. Naturf. Ges. Leipzig, 1898, 14-15: 119.

Genotype: *Theronia tolteca* Cresson.

Epimecoideus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52.

Genotype: *Epimecoideus apicalis* Ashmead.

Erythrotheronia Cameron, Spolia Zeylanica, 1905, 3: 134.

Genotype: *Erythrotheronia flavolineata* Cameron.

Orientotheronia Morley, Fauna Brit. India, 1913, Hymen., 3: 146.

Genotype: *Orientotheronia rufescens* Morley.

Liotheronia Enderlein, Sitz.-Ber. Gesell. Naturf. Freunde, 1919, p. 147. New synonymy.

Genotype: *Liotheronia kriegeri* Enderlein.

Theronia atalantae (Poda)

Ichneumon Atalantae Poda, Insecta Musei Graecensis, 1761, p. 106. [o.d., host, (Europe) (location of type unknown)]

Pimpla fulvescens Cresson, Proc. Ent. Soc. Phila., 1865, 4: 268. ♂. [o.d., Colo. (A.N.S.P.)]

Pimpla sp. near *melanocephala* Walsh, Practical Ent., 1867, 2: 114. [des., host e, N.Y.]

Theronia fulvescens Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

Theronia rufescens (!) Taylor, Canad. Ent., 1884, 16: 92. [host i, B.C.]

Theronia fulvescens Fletcher, Proc. Ent. Soc. Wash., 1896, 4: 31. [host p, B.C.]

Theronia fulvescens Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 24. [host k, D.C.]

Theronia fulvescens Harrington, Canad. Ent., 1897, 29: 45. [host f i p, B.C.]

Theronia fulvescens Slosson, Ent. News, 1898, 9: 253. [N.H.]

Theronia fulvescens Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host g, D.C.]

Theronia fulvescens Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host d, N.Y.]

Theronia atalantae Krieger, Bericht. Naturf. Ges. Leipzig, 1899, p. 113. [syn.]

Theronia fulvescens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

Theronia fulvescens Weed and Fiske, Bull. U. S. Dept. Agr., Div. Ent., 1900, 26: 33. [biol., host t]

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- Theronia fulvescens* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 217-222.
[biol., host *d s t*, parasite *a*, N.H.]
- Theronia fulvescens* var. *mellipennis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]
- Theronia atalantae* var. *americana* Krieger, Ztschr. Hymen. Dipt., 1906, 6: 240.
♂, ♀. [o.d. in key, B.C. (location of type unknown)]
- Theronia fulvescens mellipennis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225.
[Ariz.]
- Theronia fulvescens* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 455-457.
[biol., host *n q r*]
- Theronia fulvescens* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.]
- Theronia fulvescens* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 137, 141, 142, 144, 147-149, 236-237, 304. [biol., host *j l*, Mass.]
- Theronia fulvescens* Aldrich, Jour. Econ. Ent., 1912, 5: 87-88. [biol., host *p*, Ida.]
- Theronia americana* Webster, Canad. Ent., 1913, 45: 120. [host *o*, Ore.]
- Theronia fulvescens* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 40. [key, syn., des., Canada, N.Y.]
- Theronia atalantae fulvescens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des.]
- Theronia atalantae fulvescens* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Theronia fulvescens mellipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 41, 43. [key, des.]
- Theronia fulvescens fulvescens* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 42.
[key, des., host *a c g i*, B.C., D.C., N.H., N.M.]
- Theronia fulvescens* Fracker, Bull. Wis. Dept. Agr., 1923, 52: 80. [host *k*, Wis.]
- Theronia fulvescens* Evenden, The Timberman, May, 1924, 25: 54. [biol., host *p*, Ida.]
- Theronia fulvescens* Glendenning, Pamphlet Canad. Dept. Agr., 1924, 50: 13.
[host *m*, B.C.]
- Theronia atalantae* var. *fulvescens* Essig, Insects of Western N. Amer., 1926, p. 798. [Calif.]
- Theronia fulvescens* Evenden, Jour. Agr. Res., 1926, 33: 343. [fig., biol., host *p*, Ida.]
- Theronia fulvescens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Theronia fulvescens* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14. [host *m*, B.C., New England]
- Theronia fulvescens* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Theronia fulvescens* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102, 103.
[Alta., B.C.]
- Theronia fulvescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a c e g p*, N.Y.]
- Theronia fulvescens* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74.
[host *e* Ut.]

- Theronia fulvescens* Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *h.*]
Theronia fulvescens Knull, Jour. Econ. Ent., 1932, 25: 1202. [host *b.*]
Theronia fulvescens Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]
Theronia fulvescens Peck, Canad. Jour. Res., 1937 D, 15: 245, 246, 248, 251, 252.

[figs. ♂ genitalia]

- Theronia fulvescens* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Theronia fulvescens Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
Theronia fulvescens Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]
Theronia atalantae Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 293. [key, syn., des., fig., biol., Ariz., Calif., Europe, Japan, Mass., Mich., N.J., N.M., N.Y., R.I.]

TORTRICIDAE: *a*, *Archips fumiferana*. GEOMETRIDAE: *b*, *Ennomos subsignarius*.
DREPANIDAE: *c*, *Oreta rosea*. LASIOCAMPIDAE: *d*, *Malacosoma americanum*; *e*, *Malacosoma distria*; *f*, *Malacosoma* sp. LYMANTRIIDAE: *g*, *Hemerocampa leucostigma*; *h*, *Hemerocampa pseudotsugata*; *i*, *Hemerocampa* sp.; *j*, *Nygmia phaeorrhea*; *k*, *Olene leucophaea*; *l*, *Porthetria dispar*; *m*, *Stilpnotia salicis*. SATURNIIDAE: *n*, *Samia cecropia*.
NYMPHALIDAE: *o*, *Nymphalis californica*. PIERIDAE: *p*, *Neophasia menapia*. ICHNEUMONIDAE: *q*, *Enicospilus americanus*; *r*, *Gambrus extrematis*; *s*, *Hyposoter fugitivus*; *t*, *Itoplectis conquisitor*.

Parasite: CHALCIDIDAE: *a*, *Dibrachys cavus*.

***Theronia bicincta* (Cresson)**

- Pimpla bicincta* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 38. ♀. [o.d., Cuba (A.N.S.P.)]
Neotheronia bicincta Krieger, Ztschr. Hymen. Dipt., 1905, 5: 300. ♀. [key.]
Theronia bicincta Townes, Ann. Ent. Soc. Amer., 1940, 33: 297. ♂, ♀. [key, des., host *a*, Cuba, Fla.]

ICHNEUMONIDAE: *a*, *Tromatobia rufopectus*.

***Theronia hilaris* (Say)**

- Ichneumon hilaris* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 71. (Leconte Ed., 1: 376.) ♂. [o.d., Ind. (type destroyed)]
Pimpla melanocephala Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 99. ♀. [o.d., North America (Paris Mus.)] Preoccupied by Gravenhorst, 1829.
Theronia melanocephala Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]
Pimpla melanocephala Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 131. ♂, ♀. [des.]
Theronia melanocephala Provancher, Addit. Faune Canada, Hymén., 1886, p. 114. ♀. [des., Ont.]
Theronia melanocephala Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 69. [host *c*, Ont.]
Theronia melanocephala Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1892, 19: 116. [host *a*, Mass.]
Theronia melanocephala Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

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- Theronia melanocephala* Nason, Ent. News, 1905, 16: 171. [Ill.]
Theronia melanocephala Krieger, Ztschr. Hymen. Dipt., 1906, 6: 233. [key]
Theronia melanocephala Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.]
Theronia melanocephala Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 40. [key, des.]
Theronia melanocephala Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host d]
Theronia melanocephala Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des., host a e f, Conn.]
Theronia melanocephala Cushman, Proc. U. S. Nat. Mus., 1920, 58: 43. [key, des., Ind., Md., Mass., N.Y., Va., W.Va.]
Theronia? hilaris Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [des.]
Theronia melanocephala Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Theronia melanocephala Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [host a b c e, N.Y.]
Theronia melanocephala Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
Theronia melanocephala Peck, Canad. Jour. Res., 1937 D., 15: 245, 246, 248, 251, 252. [fig. ♂ genitalia]
Theronia melanocephala Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Theronia melanocephala Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
Theronia melanocephala Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731, 737. [fig. ♂ genitalia]
Theronia hilaris Townes, Ann. Ent. Soc. Amer., 1940, 33: 291. [key, syn., des., biol., Me., Md., Mass., Mich., N.J., N.Y., N.C., Pa., Que., R.I., S.C.]

LYMANTRIIDAE: a, *Porthetria dispar*. ARCTIIDAE: b, *Halisidota caryae*; c, *Halisidota maculata*; d, *Halisidota* sp. HESPERIIDAE: e, *Proteides clarus*. ICHNEUMONIDAE: f, *Coccygomimus pedalis*.

***Theronia septemtrionalis* (Krieger)**

- Neotheronia septemtrionalis* Krieger, Ztschr. Hymen. Dipt., 1905, 5: 305. ♂. [o.d., N.C. (location of type unknown)]
Neotheronia winnamanae Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. ♀. [o.d., Plummer's Is., Md. (U.S.N.M.)]
Neotheronia winnamanae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 44. [key, des., Ala., La., Md.]
Neotheronia septemtrionalis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 45. [key, des.]
Neotheronia winnamanae Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Theronia septemtrionalis Townes, Ann. Ent. Soc. Amer., 1940, 33: 290. [key, syn., des., biol., Mo., N.C., S.C., Tenn.]

Subfamily 1. ICHNEUMONINAE

Tribe 8. LABENINI

LABENA Cresson

Labena Cresson, Proc. Ent. Soc. Phila., 1864, 3: 399.

Genotype: *Cryptus grallator* Say.

Dyseidopus Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 489.

Genotype: *Dyseidopus sericeus* Kriechbaumer.

Labena grallator (Say)

Cryptus grallator Say, Boston Jour. Nat. Hist., 1836, 1: 236. (Leconte Ed. 2: 692.) ♀. [o.d., Ind. (type destroyed)]

Mesochorus fuscipennis Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 250. ♀. [o.d., Carolina. (Paris Mus.)]

Labena grallator Cresson, Proc. Ent. Soc. Phila., 1864, 3: 399. ♂, ♀. [des., Del., N.Y., Pa.]

Labena apicalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 402. ♂. [o.d., Del. (A.N.S.P.)] New synonymy.

Labena grallator Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

Labena grallator Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 162. ♂, ♀. [syn., des., host *e*]

Labena grallator Riley, Ann. Rpt. Insects Mo., 1875, 7: 75. [biol., host *c*]

Labena grallator Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Labena apicalis Riley and Howard, Insect Life, 1891, 3: 464. [host *c*, D.C., Mo., Tex.]

Labena grallator Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J., N.Y.]

Labena apicalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

Labena apicalis Howard, The Insect Book, 1902, plate 10, fig. 21.

Labena grallator Howard, The Insect Book, 1902, plate 10, fig. 25.

Labena apicalis Nason, Ent. News, 1905, 16: 172. [Ill.]

Labena grallator Nason, Ent. News, 1905, 16: 172. [Ill.]

Labena grallator Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

Labena grallatrix (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]

Labena grallator Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 410. [key, des., Colo., D.C., Fla., Kans., La., Mo., Pa., Tex.]

Labena apicalis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 411. [key, des., host *j*, Kans., S.C., Tex.]

Labena confusa Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 411. ♀. [key, o.d., host *c d*, Tex. (U.S.N.M.), Fla., Pa., Va.] New synonymy.

Labena confusa var. *minor* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 413. ♀. [key, o.d., host *c*, Washington, D.C. (U.S.N.M.), Tex.] New synonymy.

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- Labena apicalis* Champlain, Psyche, 1922, 29: 97. [host *h*, Pa.]
Labena apicalis Brooks, Jour. Agr. Res., 1926, 33: 337. [host *a*]
Labena apicalis Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
Labena grallator Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
Labena apicalis Barnes, Int. Cong. Ent. Ithaca, N.Y., 1928, 4: 413. [host *k*]
Labena apicalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.
 [host *b c f g h*, N.Y.]
Labena grallator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.
 [host *c e*, N.Y.]
Labena confusa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.
 [host *d e*, N.Y.]
Labena apicalis Taylor, Ent. Amer., 1929, 10: 36. [host *i l*, Pa.]
Labena grallator Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Labena apicalis Brimley, Insects of N.C., 1938, p. 409. [N.C.]
Labena confusa Brimley, Insects of N.C., 1938, p. 409. [N.C.]

BUPRESTIDAE: *a*, *Agrilus arcuatus*; *b*, *Agrilus* sp.; *c*, *Chrysobothris femorata*; *d*, *Thrincopyge alacris*. CERAMBYCIDAE: *e*, *Chion cinctus*; *f*, *Pseudibidion unicolor*; *g*, *Saperda puncticollis*; *h*, *Stenosphenus notatus*; *i*, cerambycid. CURCULIONIDAE: *j*, *Lixus scrobicollis*; *k*, *Pissodes strobi*; *l*, curculionid.

Labena tinctipennis Rohwer

- Labena tinctipennis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 409. ♀. [key, o.d., Webber Creek, Calif. (U.S.N.M.)]

GROTEA Cresson

Grotea Cresson, Proc. Ent. Soc. Phila., 1864, 3: 397.

Genotype: *Grotea anguina* Cresson.

Grotea anguina Cresson

- Grotea anguina* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 398. ♂, ♀. [o.d., host *d*, N.J. (A.N.S.P.), N.Y.]
Grotea anguina Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]
Grotea anguina Graenicher, Ent. News, 1905, 16: 43-49. [biol., host *b*, Wis.]
Grotea anguina Nason, Ent. News, 1905, 16: 172. [Ill.]
Grotea anguina Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]
Grotea anguina Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 415. [key, des., Conn., Md., N.J., N.Y., Tex., Va.]
Grotea anguina Rau, Trans. Acad. Sci. St. Louis, 1922, 24, no. 7: 43. [biol., host *c*, Mo.]
Grotea anguina Cushman, Proc. Ent. Soc. Wash., 1926, 28: 40. [biol.]
Grotea anguina Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]
Grotea anguina Rau, Ann. Ent. Soc. Amer., 1928, 21: 383. [biol., host *c*]

Grotea anguinea (!) Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]

Grotea anguina Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

SPHECIDAE: a, ?*Crabro* sp. CERATINIDAE: b, *Ceratina dupla*; c, *Ceratina calcarata*.

***Grotea californica* Cresson**

Grotea californica Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀. [o.d., Calif. (A.N.S.P.)]

Grotea californica Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 416. [key, des., Calif.]

Subfamily 1. ICHNEUMONINAE

Tribe 9. XORIDINI

XORIDES Latreille

Xorides Latreille, Hist. Nat. Crust. Ins., 1809, 4: 4.

Genotype: *Xorides indicatorius* Latreille.

Xylonomus Gravenhorst, Ichneum. Europeae, 1829, 3: 819.

Genotype: *Ichneumon irrigator* Fabricius.

Sterotrichus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: (*Xylonomus pilicornis* Gravenhorst) = *fuligator* Thunberg.

Gonophonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Gonophonus mokrzeckii* Kokujev.

Moerophora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Xylonomus rufipes* Gravenhorst.

Sichelia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Xylonomus filiformis* Gravenhorst.

Rhadina Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.

Preoccupied by Billberg, 1828.

Genotype: *Xylonomus ater* Gravenhorst.

Cyanoxorides Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1903, 39: 141.

New synonymy.

Genotype: *Cyanoxorides brookii* Cameron.

Spiloxorides Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1903, 39: 143. New synonymy.

Genotype: *Spiloxorides ruficeps* Cameron.

Macrosterotrichus Kokujev, Rev. Russ. Ent., 1903, 3: 287.

Genotype: *Xylonomus (Macrosterotrichus) jakovlevi* Kokujev.

Caenostoma Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1905, 44: 125. New synonymy

Genotype: *Caenostoma filicornis* Cameron.

Rhadinopimpla Schulz, Zool. Ann., 1911, 4: 23. New name for *Rhadina* Foerster.

Ahyborhyssa Enderlein, Sitz.-Ber. Ges. Naturf. Freunde Berlin, 1919, p. 152.

New synonymy.

Genotype: *Epiphyssa annulicornis* Cameron

Lavaudenia Seyrig, Mém. Acad. Malagache, 1932, 11: 92. New synonymy.

Genotype: *Lavaudenia mirabilis* Seyrig.

Xylonomimus Clément, Festschr. Embrik Strand, 1938, 4: 539. New synonymy.

Genotype: *Xorides gracilicornis* Gravenhorst.

Neoxylonomus Clément, Festschr. Embrik Strand, 1938, 4: 566. Preoccupied by Szépligeti, 1916. New synonymy.

Genotype: *Neoxylonomus Strandi* Clément.

***Xorides albopictus* (Cresson)**

Xylonomus albopictus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♀. [key, o.d., N.Y. (A.N.S.P.)]

Xylonomus albopictus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 158. ♀. [des.]

Xorides canadensis Provancher, Nat. Canad., 1875, 7: 248. ♂. [o.d., Mt. Yamaska, Que. (type lost)]

Xylonomus albopictus Provancher, Nat. Canad., 1875, 7: 313. [Que.]

Xylonomus albopictus Provancher, Nat. Canad., 1875, 7: 339. [syn.]

Xylonomus albopictus Provancher, Nat. Canad., 1880, 12: 101; (Faune, p. 489). [key, des.]

Xylonomus albopictus Harrington, Canad. Ent., 1893, 21: 134. [key, Ont., Que.]

Xylonomus albopictus Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218. [host a, W.Va.]

Xylonomus albopictus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

Xorides albopictus Felt, Mem. N.Y. State Mus., 1906, 2: 500. [host b.]

Xylonomus (Moerophora) duplicatus Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 356. ♂. [o.d., Clark Station (near St. Louis), Mo. (U.S.N.M.)] New synonymy.

Xylonomus albopictus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. [key]

Xorides duplicatus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 438. [key, des.]

Xorides albopictus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 437. [key, des., fig., host d, Canada, Ill., Ind., Mich., N.Y., N.C., Pa., Tex., W.Va.]

Xorides albopictus Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 180. [host c d, N.Y.]

Xorides albopictus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Xorides albopictus Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [biol., host e, N.Y.]

Xorides albopictus Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 356. [fig., biol., host e, Conn.]

Xorides albopictus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 407. [biol., Me.]

Xorides albopictus Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Xorides albopictus Pratt, Ann. Ent. Soc. Amer., 1939, 32: 737. [fig. ♂ genitalia]

BUPRESTIDAE: a, *Agrilus* sp.; b, *Dicerca lurida*. CERAMBYCIDAE: c, *Neoclytus acuminatus*; d, *Saperda discoidea*; e, *Saperda tridentata*.

***Xorides australis* (Cresson)**

Xylonomus australis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [key, o.d., La. (A.N.S.P.), Tex.]

Xylonomus australis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

Xylonomus australis Harrington, Canad. Ent., 1893, 21: 134. [key.]

Xylonomus stigmaterus Howard, The Insect Book, 1902, plate 9, fig. 2. Mis-determined.

Xylonomus (Moerophora) piceatus Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 357. ♀. [syn., o.d., Dade Co., Fla. (U.S.N.M.)] New synonymy.

Xorides australis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, La., Tex.]

Xorides piceatus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, syn.]

***Xorides calidus* (Provancher)**

Xylonomus calidus Provancher, Addit. Faune Canada Hymén., 1886, p. 119. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Xylonomus pulcher Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 450. ♀. [o.d., Cadet, Mo. (U.S.N.M.)]

Xylonomus calidus Harrington, Canad. Ent., 1891, 23: 134. [key]

Xylonomus pulcher Harrington, Canad. Ent., 1891, 23: 134. [key]

Aplomerus nasonii Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♂. [o.d., Algonquin, Ill. (A.N.S.P.)]

Anodontomerus nasonii Dalla Torre, Cat. Hymen., 1901, 3: 392. [syn.]

Xorides calidus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 438. [key, syn., des., host a c d, Canada, Md., Mo., N.C., Pa., Tex.]

Xorides calidus Champlain, Psyche, 1922, 29: 97. [host b, Pa.]

Xorides calidus Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 180. [biol., N.Y.]

Xorides calidus Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]

Xorides calidus Brimley, Insects of N.C., 1938, p. 410. [N.C.]

BUPRESTIDAE: a, *Chrysobothris femorata*. MELANDRYIDAE: b, *Dircaea quadrimaculata*. CERAMBYCIDAE: c, *Astylopsis macula*; d, ?*Curius dentatus*.

***Xorides californicus* (Cresson)**

Xylonomus californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀. [o.d., Calif. (A.N.S.P.)]

Xylonomus californicus Harrington, Canad. Ent., 1893, 21: 134. [key.]

Xylonomus catomus Davis, Trans. Amer. Ent. Soc., 1898, 24: 372. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

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Xorides californicus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des., host *b*, Calif.]

Xorides catomus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des., host *a c d*, Calif., Colo., Mont., Ore.]

Xorides catomus Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [B.C.]

Xorides catomus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

ELATERIDAE: *a*, *Alaus oculatus*. BUPRESTIDAE: *b*, *Buprestis laevis*; *c*, *Chalcophora angulicollis*. AEGERIIDAE: *d*, *Paranthrene perlucida*.

***Xorides cincticornis* (Cresson)**

Xylonomus cincticornis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 288. ♀. [o.d., Colo. (A.N.S.P.)]

Xylonomus cincticornis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]

Xylonomus cincticornis Harrington, Canad. Ent., 1893, 21: 134. [key]

Xylonomus (Moerophora) modestus Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 358. ♂. [o.d., Skykomish, Wash. (U.S.N.M.)]

Xorides cincticornis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key, syn., des., host *a*, Colo., Ore., Wash.]

CERAMBYCIDAE: *a*, *Anoploclera chrysocoma*?

***Xorides eastoni* (Rohwer)**

Xylonomus (Moerophora) eastoni Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 356. ♀. [o.d., Fall River, Mass. (U.S.N.M.)]

Xorides eastoni Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 442. [key, des.]

***Xorides frigidus* (Cresson)**

Xylonomus frigidus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♀. [key, o.d., Hudson Bay Territory (A.N.S.P.)]

Xylonomus frigidus Provancher, Nat. Canad., 1874, 6: 59. [key, Que.]

Xylonomus frigidus Provancher, Nat. Canad. 1880, 12: 101. (Faune, p. 489.) [key, des.]

Xylonomus frigidus Harrington, Canad. Ent., 1893, 21: 134. [key]

Xylonomus frigidus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. [Alaska, Canada, New England, N.Y.]

Xylonomus (Xylonomus) plesius Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 354. ♀. [o.d., (?U. S.) (U.S.N.M.)]

Xylonomus (Moerophora) yukonensis Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 355. ♀. [o.d., Fort Yukon, Alaska (U.S.N.M.)] New synonymy.

Xorides frigidus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 436. [key, syn.]

Xorides yukonensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 436. ♂. [key, des., Alaska, Colo., Que.]

Xorides frigidus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

***Xorides harringtoni* (Rohwer)**

Xylonomus canadensis Harrington, Canad. Ent., 1891, 23: 134. ♂, ♀. [key, o.d., ?Ottawa, Ont. (C.N.C.)] Preoccupied in *Xorides* by Provancher, 1875.

- Xylonomus canadensis* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]
Xylonomus canadensis Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Xorides harringtoni Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des.,
 new name for *Xylonomus canadensis* Harrington]

***Xorides humeralis* (Say)**

- Anomalon humerale* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 74.
 (Leconte Ed., 1: 378.) ♀. [o.d., Ind. (type destroyed)]
Xorides humeralis Say, Boston Jour. Nat. Hist., 1836, 1: 223. (Leconte Ed.,
 2: 682.) ♂. [des.]
Xylonomus humeralis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]
Xylonomus humeralis Provancher, Nat. Canad. 1874, 6: 59. [key, Que.]
Xylonomus Lavallensis Provancher, Nat. Canad., 1874, 6: 59. ♀. [key, o.d.,
 Que. (M.P.Q.)]
Xylonomus humeralis Provancher, Nat. Canad., 1880, 12: 100; (Faune, p. 488).
 [key, syn., des.]
Xylonomus humeralis Harrington, Canad. Ent., 1893, 21: 134. [key, Ont.,
 Que.]
Xylonomus humeralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
 310. [key]
Xorides humeralis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, syn.,
 host a, Ind., Md., Mass., N.Y., N.C., Ont., Que., Tex., Va.]
Xorides humeralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
Xorides humeralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 940. [N.Y.]
Xorides humeralis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Man.,
 N.B.]
Xorides humeralis Brimley, Insects of N.C., 1938, p. 410. [N.C.]
Xorides humeralis Hoffman, Bull. Brooklyn Ent. Soc., 1940, 35: 63. [N.J.]
 CERAMBYCIDAE: a, *Phymatodes varius*.

***Xorides insularis* (Cresson)**

- Poemeria* (!) *insularis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380.
 ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]
Xylonomus insularis Cresson, Synops. Hymen. N. Amer., 1887, p. 220. [syn.]
Xylonomus insularis Harrington, Canad. Ent., 1891, 23: 134. [key]
Xylonomus insularis Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218.
 [W.Va.]
Xorides insularis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 441. [key, des.,
 host b c d e f g, Calif., Ore., Wash.]
Xorides insularis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]
Xorides insularis Bedard, Canad. Ent., 1938, 70: 195. [host a h, Ida.]

BUPRESTIDAE: a, buprestid. CERAMBYCIDAE: b, *Atimia dorsalis*; c, *Hemicallidium*
amethystinum; d, *Melanophila fulvoguttata* var. *drummondi*; e, *Semanotus lignea*; f, *Tetro-*
pium cinnamopterum; g, *Tetropium velutinum*; h, cerambycid.

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Xorides maudae (Davis)

Xylonomus maudae Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♀. [o.d., ?Seattle, Wash. (A.N.S.P.)]

Xorides maudae Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 435. [key, Calif., Ore.]

Xorides neoclyti (Rohwer)

Moerophora neoclyti Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 223. ♂. [o.d., host *a*, Santa Catalina Mts., Ariz. (U.S.N.M.)]

Xorides neoclyti Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 435. [key, des.]

CERAMBYCIDAE: *a*, *Neoclytus caprea*.

Xorides rileyi (Ashmead)

Xylonomus rileyi Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 450. ♀. [o.d., Mo. (U.S.N.M.)]

Xylonomus rileyi Howard, Insect Life, 1889, 2: 197. [D.C.]

Xylonomus Rileyi Harrington, Canad. Ent., 1893, 21: 134. [key]

Xylonomus rileyi Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1897, 7: 72. [host *d*, Va.]

Xylonomus (*Xylonomus*) *lepturae* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 534. ♀. [o.d., host *a*, Cherrydale, Va. (U.S.N.M.)]

Xorides rileyi Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 440. [key, syn., des., fig., host *a b c d*, D.C., Mo., N.C., Pa., Va.]

Xorides rileyi Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Anoplodera nitens*; *b*, *Phymatodes aereus*; *c*, *Romaleum atomarium*; *d*, *Xylotrechus colonus*.

Xorides ruficoxis (Rohwer)

Xylonomus (*Xylonomus*) *ruficoxis* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 354. ♀. [o.d., Apalachicola, Fla. (U.S.N.M.)]

Xorides ruficoxis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 440. [key, des.]

Xorides stigmatærus floridanus (Ashmead) new combination

Xylonomus floridanus Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 451. ♀. [o.d., Archer, Fla. (U.S.N.M.)]

Xylonomus floridanus Harrington, Canad. Ent., 1893, 21: 134. [key]

Xorides floridanus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key]

Xorides stigmatærus stigmatærus (Say)

Acoenitus stigmatærus Say, Keating's Narrat. Exped., 2, 1824, app. p. 325.

(Leconte Ed., 1: 218.) ♀. [o.d., North-west Territory (type destroyed)]

Xylonomus stigmatærus Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]

Xylonomus stigmatærus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 165.

♂, ♀. [des.]

Xylonomus stigmatærus Provancher, Nat. Canad., 1874, 6: 59., [key, Que.]

Xylonomus stigmatærus Provancher, Nat. Canad., 1880, 12: 101; (Faune, p. 488). [key, des., Ont., Que.]

- Xylonomus stigmafterus* Harrington, Canad. Ent., 1891, 23: 134. [key]
Xylonomus stigmafterus Slosson, Ent. News, 1894, 5: 4. [N.H.]
Xylonomus stigmafterus Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Xylonomus stigmafterus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]
Xylonomus stigmafterus Nason, Ent. News, 1905, 16: 172. [Ill.]
Xylonomus stigmafterus Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 411: 118. [Ont.]
Xylonomus stigmafterus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Xylonomus stigmafterus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. [key]
Xorides stigmafterus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key, host a, D.C., N.Y., Pa., Que., Va.]
Xorides stigmafterus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
Xorides stigmafterus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]
Xorides stigmafterus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]
Xorides stigmafterus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [N.S., Ont.]
Xorides stigmafterus Brown, Canad. Ent., 1934, 66: 262. [Ont.]
Xorides stigmafterus Brimley, Insects of N.C., 1938, p. 410. [N.C.]
Xorides stigmafterus Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737. [fig. ♂ genitalia]

CERAMBYCIDAE: a, *Anoplodera proxima*.

ODONTOCOLON Cushman

Odontomerus Gravenhorst, Ichneum. Europeae, 1829, 3: 851. Preoccupied by Leach, 1819.

Genotype: *Ichneumon dentipes* Gmelin.

Odontocolon Cushman, Proc. Ent. Soc. Wash., 1942, 44: 179. New name for *Odontomerus* Gravenhorst.

Odontocolon abdominale (Cresson) new combination

Odontomerus abdominalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 289. ♀. [o.d., Colo. (A.N.S.P.)]

Odontomerus abdominalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key]

Odontomerus abdominalis Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key, N.Y.]

Odontomerus abdominalis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key, des.]

Odontomerus abdominalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Odontomerus abdominalis Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 6. [key, syn., des.]

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Odontocolon aethiops (Cresson) new combination

Odontomerus aethiops Cresson, Proc. Ent. Soc. Phila., 1865, 4: 289. ♂, ♀.
[o.d., Colo. (A.N.S.P.)]

Odontomerus aethiops Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key]

Odontomerus aethiops Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

Odontomerus aethiops Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, des., Calif., Colo.]

Odontomerus aethiops Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 9.
[key, des.]

Odontocolon atripes (Rohwer) new combination

Odontomerus atripes Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 358. ♂, ♀.
[o.d., Franconia, N.H. and Princeton, Me. (U.S.N.M.)]

Odontomerus atripes Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

Odontomerus atripes Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key]

Odontomerus aethiops Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.
[Me.] Misdetermined.

Odontomerus atripes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Odontomerus atripes Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 5. [key, syn., des., Me., Mass., N.H., N.Y., Ont., Pa., Que.]

Odontomerus atripes Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]

Odontocolon bicolor (Cresson) new combination

Odontomerus bicolor Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. ♀. [key, o.d., Pa. (A.N.S.P.)]

Odontomerus bicolor Provancher, Nat. Canad., 1880, 12: 102. (Faune, p. 490.)
[key, des., Que.]

Odontomerus bicolor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575.
[N.J.]

Odontomerus bicolor Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C.]

Odontomerus bicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 311.
[key]

Odontomerus bicolor Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key.]

Odontomerus bicolor Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key, Tex.]

Odontomerus bicolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

Odontomerus bicolor Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 6.
[key, des.]

Odontomerus bicolor Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Odontocolon brevicaudum (Cushman) new combination

Odontomerus brevicaudus Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 7.
♀. [key, o.d., Hedley, B.C. (C.N.C.) Alta.]

Odontocolon canadense (Provancher)

Exochus propinquus Provancher, Nat. Canad., 1875, 7: 138. ♂. [key, Que.]
Misdetermined.

Odontomerus canadensis Provancher, Nat. Canad., 1877, 9: 16. ♀. [o.d.,
Que. (M.P.Q.)]

Odontomerus canadensis Provancher, Nat. Canad., 1880, 12: 102; (Faune, p.
490). [key, syn., des.]

Odontomerus canadensis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Odontomerus tibialis Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 11.
♂, ♀. [key, syn., o.d., fig., Mt. Desert, Me. (U.S.N.M.) N.Y., N.C., Ont.,
Que.]

Odontomerus canadensis Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 13.
[syn. (in part)]

Odontomerus tibialis Bedard, Canad. Ent., 1938, 70: 195. [host a, Ida.]

Odontocolon canadensis Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. [syn.]

CERAMBYCIDAE: a, *Tetropium* sp.

Odontocolon dichrous (Rohwer) new combination

Odontomerus dichrous Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 361. ♀.
[o.d., Longmire, Wash. (U.S.N.M.)]

Odontomerus dichrous Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

Odontomerus dichrous Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, Ida.]

Odontomerus dichrous Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Odontomerus dichrous Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
941. [N.Y.]

Odontomerus dichrous Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 56.
[key, des., B.C., Ida., Wash.]

Odontomerus dichrous Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

Odontocolon mellipes (Say) new combination

Anomalon mellipes Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 75.
(Leconte Ed., 1: 378.) ♀. [o.d., Ind. (type destroyed)]

Anomalon mellipes Say, Boston Jour. Nat. Hist., 1836, 1: 242. (Leconte Ed.,
2: 697.) ♂, ♀. [des.]

Odontomerus mellipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key, des.]

Odontomerus mellipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 164. ♀.
[des.]

Odontomerus mellipes Provancher, Nat. Canad., 1874, 6: 60. [Que.]

Odontomerus mellipes Provancher, Nat. Canad., 1875, 7: 239. [Que.]

Odontomerus mellipes Provancher, Nat. Canad., 1880, 12: 102; (Faune, p. 490).
[key]

Odontomerus mellipes Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Odontomerus mellipes Smith, Rpt. N.J. Geologist, 1890, 2: 32. [N.J.]

Odontomerus mellipes Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Odontomerus mellipes Evans, Canad. Ent., 1896, 28: 11. [Ont.]

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- Odontomerus mellipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900. 27, suppl.: 575. [N.Y.]
- Odontomerus mellipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 202. [Alaska, Fla., Atlantic to Pacific.]
- Odontomerus mellipes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [N.J.]
- Odontomerus errans* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 360. ♀. [o.d., S.D. (U.S.N.M.)]
- Odontomerus mellipes* Brooks, Bull. U. S. Dept. Agr., 1915, 262: 6. [host *a*, W.Va.]
- Odontomerus mellipes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
- Odontomerus mellipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 311. [key, Conn.]
- Odontomerus errans* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key.]
- Odontomerus mellipes* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]
- Misdetermined in part.
- Odontomerus mellipes* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Odontomerus mellipes* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 458. [key, des., host *a*, Canada, D.C., Ida., N.Y., Pa., S.D., W.Va.] Misdetermined in part.
- Odontomerus mellipes* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Odontomerus mellipes* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Odontomerus mellipes* Walley, Canad. Ent., 1927, 59: 74. [syn., des. (in part)]
- Odontomerus mellipes* Cushman, Mem. Cornell Univ. Agr. Exp., Sta., 1928, 101: 941. [N.Y.]
- Odontomerus mellipes* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 10. [key, syn., des., fig., Ark., N.C., N.D., N.S.]
- Odontomerus mellipes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]
- Odontomerus mellipes* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Parandra brunnea*.

***Odontocolon polymorphum* Cushman**

- Odontocolon polymorphum* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 180. ♂, ♀. [o.d., fig., host *a*, Seattle, Wash. (U.S.N.M.)]
- ANOBIIDAE: *a*, anobiid.

***Odontocolon punctatum* (Cushman) new combination**

- Odontomerus punctatus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 12. ♀. [key, syn., o.d., host *a*, Priest River, Ida. (U.S.N.M.)]
- CERAMBYCIDAE: *a*, *Leptura obliterata*.

***Odontocolon punctulatum* (Thomson) new combination**

- Odontomerus punctulatus* Thomson, Opusc. Ent., 1877, 8: 777. ♀. [o.d., "Småland," Sweden (?Lund Mus.)]

Odontomerus alaskensis Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 360. ♀.
[o.d., Sitka, Alaska (U.S.N.M.)] New synonymy.

Odontomerus alaskensis Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

Odontomerus alaskensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, des.]

Odontomerus alaskensis Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 9.
[key, des.]

Odontocolon strangaliae var. **strangaliae** (Rohwer) new combination

Odontomerus strangaliae Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 158. ♀.
[o.d., host *a*, Ballston, Va. (U.S.N.M.)]

Odontomerus abdominalis Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 103.
Misdetermined in part.

Odontomerus strangaliae Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, N.Y., Pa., Va.]

Odontomerus strangaliae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]

Odontomerus strangaliae Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 7.
[key, syn., des., Md., N.Y., Ont., Pa., Que., Va.]

Odontomerus strangaliae Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]

CERAMBYCIDAE: *a*, *Strangalina luteicornis*.

Odontocolon strangaliae var. **albotibiale** (Bradley) new combination

Odontomerus albotibialis Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 103.
♀. [key, o.d., Chicoree Woods, Ithaca, N.Y. (Cornell Univ.)]

Odontomerus mellipes Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [key, N.Y.] Misdetermined in part.

?*Odontomerus* (!) *canadensis* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1918, 10: 100. [host *a*, N.Y.] Misdetermined?.

Odontomerus canadensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 458. [key, des., fig., host, distribution] Misdetermined in part.

?*Odontomerus canadensis* Champlain, Psyche, 1922, 29: 97. [host *b*, Pa.] Misdetermined?.

Odontomerus canadensis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.] Misdetermined.

Odontomerus canadensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.
[Me.] Misdetermined.

Odontomerus mellipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.
[Me.] Misdetermined.

Odontomerus mellipes Walley, Canad. Ent., 1927, 59: 74. [syn., des. (in part)]

Odontomerus canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 941. [N.Y.] Misdetermined.

?*Odontomerus striatus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 14.
♀. [key, o.d., Lyme, Conn. (U.S.N.M.)] Preoccupied by Brullé, 1846.
New synonymy.

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- Odontomerus albotibialis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 14. [key, des.]
- Odontomerus canadensis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 13. [key, syn. (in part), des., fig., Canada, N.M., Ore., Va.] Misdetermined.
- Odontomerus canadensis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C., Ont., Que.] Misdetermined.
- Odontomerus canadensis* Brimley, Insects of N.C., 1938, p. 410. [N.C.] Misdetermined.
- Odontomerus albotibialis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Odontomerus canadensis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia] Misdetermined.
- Odontocolon albotibialis* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. [syn.]
- ?*Odontocolon aciculatus* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. New name for *Odontomerus striatus* Cushman.
- CERAMBYCIDAE: a, ?*Phymatodes dimidiatus*, b, ?cerambycid in *Rhus* sp.

***Odontocolon vicinum* (Cresson) new combination**

- Odontomerus vicinus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♂. [key, o.d., Mass. (A.N.S.P.)]
- Odontomerus vicinus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Odontomerus vicinus* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]
- Odontomerus vicinus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. ♂. [key, des.]
- Odontomerus vicinus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Odontomerus vicinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]
- Odontomerus vicinus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 15. ♂, ♀. [key, syn., des., D.C., Md., Mass., N.H., N.Y., Ont., Pa., Que., Va.]
- Odontomerus vicinus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]
- Odontomerus vicinus* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [host a, N.Y.]
- BUPRESTIDAE: a, *Dicerca divaricata*.

APLOMERUS Provancher

- Platysoma* Provancher, Canad. Ent., 1885, 17: 117. Preoccupied by Leach, 1817, by Liénard, 1832, and by Brandt, 1835.
- Genotype: *Platysoma tibialis* Provancher.
- Aplomerus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. New name for *Platysoma* Provancher.
- Anodontomerus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 61.
- Genotype: *Aplomerus tibialis* Provancher.
- Haplomerus* Dalla Torre, Cat. Hymen., 1901, 3: 392. Emendation of *Aplomerus* Provancher.

Aplomerus buprestivorus Rohwer

Aplomerus buprestivorus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 453. ♀.
[key, o.d., host *a*; Ashland, Ore. (U.S.N.M.)]
BUPRESTIDAE: *a*, buprestid.

Aplomerus lineatulus (Say)

Anomalon lineatulus Say, Boston Jour. Nat. Hist., 1836, 1: 244. (Leconte Ed., 2: 699.) ♂. [o.d., Ind. (type destroyed)]
Aplomerus foutsii Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 454. ♀. [key, o.d., Cabin John, Md. (U.S.N.M.) Kans.]
Aplomerus lineatulus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157. [syn., Kans.]
Aplomerus decorus Viereck, Canad. Ent., 1926, 58: 55. ♀. [o.d., Ft. Coulonge, Que. (C.N.C.)] New synonymy.

Aplomerus tibialis (Provancher)

Platysoma tibialis Provancher, Canad. Ent., 1885, 17: 115. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
Platysoma tibialis Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
Aplomerus tibialis Provancher, Addit. Faune Canada, Hymén., 1886, p. 120. ♀. [des.]
Aplomerus tibialis Harrington, Canad. Ent., 1897, 29: 46. [biol., B.C.]
Anodontomerus tibialis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 61. [syn.]
Aplomerus tibialis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 454. [key, des.]
Aplomerus tibialis Essig, Insects of Western N. Amer., 1926, p. 793. [fig., B.C., Wash.]

Subfamily 1. ICHNEUMONINAE

Tribe 10. ACOENITINI

COLEOCENTRUS Gravenhorst

Coleocentrus Gravenhorst, Ichneum. Europeae, 1829, 3: 437.

Genotype: *Ichneumon excitator* Poda

Macrocoleus Desvignes, Trans. Ent. Soc. London, (1849), 1850, p. 12.

Genotype: (*Macrus longiventris* Gravenhorst) = *excitator* Poda.

Coleocentrus flavipes (Provancher)

Acoenites flavipes Provancher, Nat. Canad., 1874, 6: 80. ♀. [o.d., Que. (M.P.Q.)]
Acoenites flavipes Provancher, Nat. Canad., 1880, 12: 10; (Faune, p. 441). [key, des.]
Acoenites Canadensis Provancher, Nat. Canad., 1880, 12: 10; (Faune, p. 442). ♂. [key, o.d., Que. (M.P.Q.)]
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Coleocentrus flavipes Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. [key, syn., des.]

Coleocentrus minor Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. ♀. [key, o.d., host *a*, Pisgah Ridge, N.C. (U.S.N.M.)] New synonymy.

Coleocentrus flavipes Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia.]

CERAMBYCIDAE: *a*, ?*Leptura* sp.

***Coleocentrus harringtoni* Cushman**

Coleocentrus canadensis Harrington, Canad. Ent., 1892, 25: 29. ♀. [key, o.d., Casselman, Ont. (C.N.C.)] Preoccupied in *Coleocentrus* by Provancher, 1880.

Coleocentrus harringtoni Cushman, Proc. U. S. Nat. Mus., 1920, 57: 509. ♀. [key, des., new name for *Coleocentrus canadensis* Harrington]

Coleocentrus harringtoni Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

***Coleocentrus manni* Cushman**

Coleocentrus manni Cushman, Proc. U. S. Nat. Mus., 1920, 57: 512. ♂, ♀. [key, o.d., Orens Is., Wash. (U.S.N.M.)]

***Coleocentrus niger* Cushman**

Coleocentrus niger Cushman, Proc. U. S. Nat. Mus., 1920, 57: 508. ♀. [key, o.d., Whitefish Pt., Mich. (U.S.N.M.)]

***Coleocentrus occidentalis* Cresson**

Coleocentrus occidentalis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

Coleocentrus occidentalis Harrington, Canad. Ent., 1893, 25: 31. [key]

Coleocentrus occidentalis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]

Coleocentrus occidentalis Cushman, Proc. U. S. Nat. Mus., 1920, 57: 509. ♂, ♀. [key, des., fig., B.C., Ida., Ore., Wash.]

***Coleocentrus pettiti* Cresson**

Coleocentrus Pettiti Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., Grimsby, Ont. (A.N.S.P.)]

Coleocentrus Quebecensis Provancher, Nat. Canad., 1874, 6: 79. ♀. [o.d., Que. (M.P.Q.)]

Coleocentrus Pettitii Provancher, Nat. Canad., 1880, 12: 8; (Faune, p. 440). [key, syn., des.]

Coleocentrus Pettitii Harrington, Canad. Ent., 1893, 25: 30. ♂, ♀. [key, des.]

Xenoschesis alpinensis Slosson, Ent. News, 1894, 5: 4. [N.H.] Nomen nudum.

Coleocentrus Pettitii Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Coleocentrus pettitii Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

Coleocentrus pettitii Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Coleocentrus quebecensis Cushman, Proc. U. S. Nat. Mus., 1920, 57: 511. [key, des.]

Coleocentrus pettitii Cushman, Proc. U. S. Nat. Mus. 1920, 57: 511. [key, des., N.S., Pa.]

Coleocentrus pettitii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

Coleocentrus pettitii Brimley, Insects of N.C., 1938, p. 410. [N.C.]

***Coleocentrus pulchripennis* Cushman**

Coleocentrus pulchripennis Cushman, Proc. U. S. Nat. Mus., 1920, 57: 512. ♀. [key, o.d., Tuolumne Co., Calif. (U.S.N.M.)]

***Coleocentrus rufocoxatus* Pratt**

Coleocentrus rufocoxatus Pratt, Bull. Brooklyn Ent. Soc., 1936, 31: 11. ♀. [o.d., Laurel Lake, 1700 ft., Jacksonville, Vt. (U.S.N.M.)]

***Coleocentrus rufus* Provancher**

Coleocentrus rufus Provancher, Nat. Canad., 1876, 8: 316. ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Coleocentrus rufus Provancher, Nat. Canad., 1880, 12: 9; (Faune, p. 441). [key, des.]

Coleocentrus rufus Harrington, Canad. Ent., 1893, 25: 30. [key]

Coleocentrus rufus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [Pa.]

Coleocentrus rufus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 327. [des., Conn.]

Coleocentrus rufus Cushman, Proc. U. S. Nat. Mus., 1920, 57: 513. [key, des., Mich.]

Coleocentrus similis Cushman, Proc. U. S. Nat. Mus., 1920, 57: 514. ♂, ♀. [key, o.d., Montgomery Co., Pa. (U.S.N.M.) Md., Va.] New synonymy.

Coleocentrus rufus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Coleocentrus similis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

Coleocentrus rufus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

Coleocentrus rufus Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

Coleocentrus similis Brimley, Insects of N.C., 1938, p. 410. [N.C.]

AROTES Gravenhorst

Arotes Gravenhorst, Ichneum. Europeae, 1829, 3: 446.

Genotype: *Arotes albicinctus* Gravenhorst.

Sphalerus Kriechbaumer, Ent. Nachr., 1878, 4: 41.

Genotype: (*Sphalerus bifasciatus* Kriechbaumer) = *albicinctus* Gravenhorst.

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Arotes amoenus Cresson

?*Acaenitus amoenus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 586. [Mass.] Nomen nudum.

Arotes amoenus Cresson, Canad. Ent., 1868, 1: 34. ♀. [o.d., Ont. (A.N.S.P.)]

Arotes amoenus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. [key, Canada, Mass., Pa., W.Va.]

Arotes amoenus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 151. ♂. [des.]

Tropistes elegans Provancher, Nat. Canad., 1874, 6: 80. ♂. [o.d., Que. (M.P.Q.)]

Arotes amaenus (!) Provancher, Nat. Canad., 1874, 6: 81. [key, Que.]

Arotes amaenus (!) Provancher, Nat. Canad., 1880, 12: 11; (Faune, p. 443). [key, syn., des.]

Arotes amoenus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Arotes amoenus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Arotes amoenus Howard, The Insect Book, 1902, plate 10, fig. 24.

Arotes amoenus Nason, Ent. News, 1905, 16: 170. [Ill.]

Arotes amoenus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

Arotes amoenus Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

Arotes amoenus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Arotes amoenus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key, Conn.]

Arotes amoenus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 519. [key, des., Canada, Conn., Me., Md., Mass., N.H., N.Y., N.C., Pa., Que., Tex., Va., Wis.]

Arotes amoenus Brues, Psyche, 1927, 34: 80. [host *a*, Mass.]

Arotes amoenus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Arotes amoenus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939, [N.Y.]

Arotes amoenus Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

Arotes amoenus Brimley, Insects of N.C., 1938, p. 410. [N.C.]

Arotes amoenus Pratt, Jour. N.Y. Ent. Soc., 1940, 48: 155-193, fig. [morphology]

CERAMBYCIDAE: *a*, ?cerambycid.

Arotes decorus (Say)

Acoenitus decorus Say, Boston Jour. Nat. Hist., 1836, 1: 248. (Leconte Ed., 2: 702.) ♀ (only). [o.d., Ind. (type destroyed)]

Arotes decorus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key, W.Va.]

Arotes decorus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]

Arotes decorus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 149. ♀. [des., Ill.]

Arotes decorus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Arotes decorus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.Y.]

Arotes decorus Felt, Forest and Shade Tree Insects of N.Y., 1905, 1: 261. [host *c*]

- Arotes decorus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]
Arotes decorus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]
Arotes decorus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 517. [key, des., fig.,
 host *a*, Ga., Mo., Pa., Va., Wis.]
Arotes decorus Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924,
 17: 176. [host ?*a b*, N.Y.]
Arotes decorus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939.
 [N.Y.]
Arotes decorus Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
Arotes decorus Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]

MORDELLIDAE: *a*, *Tomoxia bidentata*. BUPRESTIDAE: *b*, ?*Dicerca lurida*. CERAMBYCIDAE: *c*, *Xylotrechus colonus*.

***Arotes formosus* Cresson**

- Arotes formosus* Cresson, Canad. Ent., 1868, 1: 34. ♂. [o.d., Ottawa, Ont.
 (A.N.S.P.)]
Arotes formosus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key,
 des., Canada, Mass.]
Arotes formosus Provancher, Nat. Canad., 1874, 6: 81. [key, Que.]
Arotes formosus Provancher, Nat. Canad., 1880, 12: 11; (Faune, p. 442).
 [key, des., Que.]
Arotes formosus Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Arotes formosus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326.
Arotes formosus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 519. [key, des.,
 Mass., Mich., Pa., Que.]
Arotes formosus Champlain, Psyche, 1922, 29: 98. [host *a*, Pa.]
Arotes formosus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

CERAMBYCIDAE: *a*, *Bellamira scalaris*.

***Arotes maurus* Rohwer**

- Arotes maurus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 517. ♀. [key, o.d.,
 Mission, B.C. (U.S.N.M.)]

***Arotes melleus* (Say)**

- Acoenitus melleus* Say, Boston Jour. Nat. Hist., 1836, 1: 249. (Leconte Ed., 2:
 703.) ♀. [o.d., Ind. (type destroyed)]
Arotes melleus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 516. ♀. [key, des.,
 N.J.]

***Arotes occipitalis* Cresson**

- Arotes occipitalis* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂. [o.d.,
 W.Va. (A.N.S.P.)]
Arotes apicatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♀. [o.d.,
 Agricultural College, Mich. (A.N.S.P.)]

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Arotes occipitalis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 520. [key, syn., des., host *a*, Md., Mich., N.J., Va., W.Va.]

Arotes occipitalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

Arotes occipitalis Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Strangalina bicolor*.

***Arotes rupinsulensis* (Cresson)**

Acoenitus rupinsulensis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., Ill. (A.N.S.P.)]

Acoenitus rupinsulensis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 152. ♂, ♀. [des.]

Arotes rupinsulensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 516. ♀. [key, des.]

***Arotes vicinus* Cresson**

Arotes vicinus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂. [key, o.d., Mass. (A.N.S.P.)]

Arotes venustus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), W.Va.]

Arotes superbus Provancher, Nat. Canad., 1874, 6: 81. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Arotes vicinus Provancher, Nat. Canad., 1880, 12: 11. (Faune, p. 443.) [key, syn., des.]

Arotes vicinus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

Arotes venustus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

Arotes vicinus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Arotes vicinus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Arotes vicinus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]

Arotes venustus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]

Arotes vicinus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 520. [key, syn., des., host *a*, Mich., N.Y., Pa., S.D., Va.]

Arotes vicinus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Arotes vicinus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

Arotes vicinus Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia]

CERAMBYCIDAE: *a*, *Strangalepta vittata*.

Subfamily 2. TRYPHONINAE

Tribe 1. THYMARIDINI

ECLYTUS Holmgren

Eclytus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 127.

Genotype: *Eclytus ornatus* Holmgren.

Eclytus fontinalis Holmgren

Eclytus fontinalis Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 128. ♂, ♀.

[o.d., southern Sweden (?Stockholm Mus.)]

Eclytus yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. ♂.

[o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

Himertosoma schmiedeknechti Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 194.

♂. [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

Eclytus ornatus Holmgren

Eclytus ornatus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 127. ♂, ♀.

[o.d., Sweden (?Stockholm Mus.)]

Eclytus perennis Davis, Trans. Amer. Ent. Soc., 1898, 24: 305. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), N.Y.] New synonymy.

Eclytus perennis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Spanotecnus flavopictus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. ♂.

[o.d., Unalaska, Alaska (U.S.N.M.)] New synonymy.

Eclytus perennis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Eclytus ornatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Eclytus pleuralis (Provancher)

Mesoleptus decens Provancher, Nat. Canad., 1875, 7: 115. [key, des., Que.]

Misdetermined.

Mesoleptus decens Provancher, Nat. Canad., 1875, 7: 282. [key] Misdetermined.

Orthocentrus pleuralis Provancher, Nat. Canad., 1875, 7: 328. ♀. [o.d., Que. (type lost)]

Eclytus pleuralis Provancher, Nat. Canad., 1879, 11: 250; (Faune, p. 408).

[key, des., syn.]

Eclytus pleuralis Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Eclytus pleuralis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Eclytus pleuralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 305. ♂, ♀. [key, des., Canada, Mich., N.H., Wash.]

Eclytus pleuralis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.Y.]

Eclytus decens Dalla Torre, Cat. Hymen., 1901, 3: 379. [syn. (in part)]

- Calliphyrurus? taeniogaster* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 585. ♂.
[o.d., North East, Pa. (U.S.N.M.)] New synonymy.
- Eclytus pleuralis* Hartzell, Jour. Econ. Ent., 1919, 12: 236, 237. [host b, N.Y.]
- Eclytus pleuralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]
- Eclytus pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]
- Eclytus pleuralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:
103. [Mass.]
- Eclytus pleuralis* Walley, Canad. Ent., 1933, 65: 255. ♂. [syn., des., host c]
- Eclytus pleuralis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host a,
Canada]
- Eclytus pleuralis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- TORTRICIDAE: a, *Argyrotaenia lutosana*; b, *Argyrotaenia pinatubana*. PHYCITIDAE: c,
Acrobasis kearfottella.

NELIOPISTHUS Thomson

- Neliopisthus* Thomson, Opusc. Ent., 1883, 9: 907.
- Genotype: *Phytodietus elegans* Ruthe.
- Polysphinctomorpha* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59.
- Genotype: (*Polysphinctomorpha luggeri* Ashmead) = *semirufus* Provancher.
- Neliopisthus densatus** (Say)
- Anomalon densatus* Say, Boston Jour. Nat. Hist., 1836, 1: 243; (Leconte Ed., 2:
698). ♀. [o.d., Ind. (type destroyed)]
- Neliopisthus similis* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 379. ♀. [key,
o.d., Wood Co., W.Va. (U.S.N.M.)]
- Neleopisthus* (!) *densatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921,
23: 155. [syn., des.]
- Neliopisthus densatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Neliopisthus densatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
944. [N.Y.]
- Neliopisthus densatus* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]
- Neliopisthus densatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Neliopisthus niger Cushman

- Neliopisthus niger* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 12. ♀.
[o.d., Florissant, Colo. (U.S.N.M.)]
- Neliopisthus niger* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]
- Neliopisthus longicauda* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. ♀.
[key, o.d., Lind, Wash. (U.S.N.M.)] New synonymy.

Neliopisthus piceae Cushman

- Neliopisthus piceae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 555. ♂, ♀.
[key, o.d., host a, Southport, Me. (U.S.N.M.)]
- GELECHIIDAE: a, *Recurvaria piceaella*.

Neliopisthus semirufus (Provancher) new combination

Hemiteles semirufus Provancher, Nat. Canad., 1874, 6: 332. ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles semirufus Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326). [key, des.]

Hemiteles semirufus Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

Ischnocerus semirufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Polysphincta erythropleura Slosson, Ent. News, 1896, 7: 264. [N.H.] *Nomen nudum*.

Polysphinctomorpha luggeri Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. (♀). [o.d., (Minn.), (U.S.N.M.)] New synonymy.

Polysphincta erythropleura Slosson, Ent. News., 1902, 13: 320. [N.H.] *Nomen nudum*.

Neliopisthus nigradorsum Cushman, Proc. U. S. Nat. Mus., 1919, 56: 379. ♀. [key, o.d., Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

Neliopisthus luggeri Cushman, Proc. U. S. Nat. Mus., 1919, 56: 380. [key, des., host b]

Neliopisthus luggeri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [host a, N.Y.]

Neliopisthus luggeri Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Neliopisthus luggeri Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]

Neliopisthus nigradorsum Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]

Neliopisthus luggeri Daviault, Nat. Canad., 1935, 62: 245. [host c, Que.]

TINEIDAE: a, tineid on *Myrica* sp.; b, *tineid*. OECOPHORIDAE: c, *Psilocorsis* sp.

THYMARIS Foerster

Thymaris Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: *Thymaris pulchricornis* Brischke.

Thymarus Thomson, Opusc. Ent., 1883, 9: 908.

Genotype: (*Thymarus compressus* Thomson) = *pulchricornis* Brischke (by present designation)

Thymaris negligere (Davis) new combination

Eusterinx negligere Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♀. [o.d., N.J. (A.N.S.P.)]

Callidiotes kansensis Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 55. ♀. [o.d., Lawrence, Kans. (Univ. Kansas)] New synonymy.

Thymaris americanus Cushman, Proc. U. S. Nat. Mus., 1919, 56: 381. ♂, ♀. [o.d., Rosslyn, Va. (U.S.N.M.), D.C.] New synonymy.

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CAMPOTHREPTUS Foerster

Campothreptus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Mesoleptus nasutus* Cresson.

Zagryphus Cushman, Proc. U. S. Nat. Mus., 1919, 56: 376, 378.

Genotype: *Mesoleptus nasutus* Cresson.

Campothreptus nasutus (Cresson)

Mesoleptus ? *nasutus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♂, ♀.
[o.d., Pa. (type lost)]

Grypocentrus nasutus Cresson, Synops. Hymen. N. Amer., 1887, p. 211. [syn.]

Sychnoleter americanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂.

[o.d., Jacksonville, Fla. (U.S.N.M.)] New synonymy.

Campothreptus nasutus Davis, Trans. Amer. Ent. Soc., 1897, 24: 247. [syn.
(in part)]

(Cryptinae) *americanus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 346. [syn.]

Zagryphus nasutus Cushman, Proc. U. S. Nat. Mus., 1919, 56: 378. [des., fig.,
Va., Md., Kans.]

Zagryphus nasutus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 11.
[key]

Zagryphus americanus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 11.
[key]

Zagryphus nasutus Brimley, Insects of N.C., 1938, p. 411. [N.C.]

HYBOPHANES Foerster

Hybophanes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Tryphon scabriculus* Gravenhorst.

Oedemopsis Tschek, Verh. Zool.-Bot. Ges. Wien, 1868, 18: 276.

Genotype: (*Oedemopsis rogenhoferi* Tschek) = *scabriculus* Gravenhorst.

Zarhynchus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. Preoccupied by
Oberholser, 1899.

Genotype: *Tryphon nasutus* Cresson.

Rhynchothyreus Ashmead, Canad. Ent., 1900, 32: 368. (New name for *Zarhynchus* Ashmead.)

Oedematopsis Morley, British Ichneum., 1908, 3: 258, 268. (Emendation of
Oedemopsis Tschek.)

Hybophanes nasutus (Cresson)

Tryphon ? *nasutus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 107. ♀. [o.d.,
Ill. (A.N.S.P.)]

Campothreptus nasutus Davis, Trans. Amer. Ent. Soc., 1897, 26: 247. ♂, ♀.
[syn. (in part), des., rec., Colo., Ill., Mich., N.C., Pa.]

Zarhynchus nasutus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. [syn.]

Campothreptus nasutus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
585. [N.Y.]

Rhynchothyreus nasutus Dalla Torre, Cat. Hymen., 1901, 3: 404. [syn.]

- Campothreptus nasutus* Nason, Ent. News, 1905, 16: 170. [Ill.]
Plectiscidea (Campothreptus) nasuta Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276. [key]
Hybophanes nasutus Cushman, Proc. U. S. Nat. Mus., 1919, 56: 377. [des., fig., N.Y., Canada]
Hybophanes nasutus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Subfamily 2. TRYPHONINAE

Tribe 2. PHYTODIETINI

PHYTODIETUS Gravenhorst

- Phytodietus* Gravenhorst, Ichneum. Europeae, 1829, 2: 928.
 Genotype: *Phytodietus astutus* Gravenhorst.
Phytodiaetus Agassiz, Nomenclator Zool., 1846, Index Univ., p. 291. (Emendation of *Phytodietus* Gravenhorst.)
Euctenopus Ashmead, Proc. Linnean Soc. New South Wales, 1900, 25: 351. New synonymy.
 Genotype: *Euctenopus novaezealandicus* Ashmead.
Doratistes Seyrig, Mém. Acad. Malagache, 1932, 11: 27. New synonymy.
 Genotype: *Phytodietus (Doratistes) absyrtinus* Seyrig.

Phytodietus burgessi (Cresson)

- Tryphon Burgessii* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♂. [o.d., Beverly, Mass. (A.N.S.P.)]
Phytodietus pleuralis Riley and Howard, Insect Life, 1891, 3: 464. [host g (corrected by Slingerland), D.C.] Misdetermined.
Phytodietus ? burgessi Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn.]
Phytodietus pleuralis Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 52. [host g, correction] Misdetermined.
Phytodietus burgessi Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 465. ♂, ♀. [key, des., host f g i, Canada, D.C., N.J., N.Y., Pa., Tex., Wis.]
Phytodietus burgessi Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Phytodietus burgessi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host c d f h, N.Y.]
Phytodietus burgessi Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Phytodietus burgessi Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Sta., 1929, 162: 33. [host e, Del.]
Phytodietus burgessi Putman, Canad. Ent., 1935, 67: 109. [host a, Ont.]
Phytodietus burgessi Edwards and Mote, Jour. Econ. Ent., 1936, 29: 1123. [host b, Ore.]

TORTRICIDAE: a, *Amelia pallorana* or *Sparganothis sulfureana*; b, *Cnephasia longana*; c, *Peronea logiana*. OLETHREUTIDAE: d, *Anchylopera platanana*; e, *Carphocapsa pomonella*; f, *Exartema sericoranum*; g, *Polychrosis liriodendrana*. PHYCITIDAE: h, *Acrobasis betulella*. Miscellaneous: i, lepidopteran on *Castanea dentata*.

Phytodietus californicus Cresson

Phytodietus californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀.
[o.d., Calif. (A.N.S.P.)]

Phytodietus californicus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 464. [key, des., Wash.]

Phytodietus clypearius Ashmead

Phytodietus clypearius Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 195. ♂, ♀.
[key, o.d., Yakutat, Alaska (U.S.N.M.)]

Phytodietus flavifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 196. ♂.
[key, o.d., Alaska (U.S.N.M.)]

Phytodietus clypearius Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. [key, syn.]

Phytodietus facialis Rohwer

Phytodietus facialis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. ♀. [key, o.d., La. (U.S.N.M.)]

Phytodietus fumiferanae Rohwer

Phytodietus fumiferanae Rohwer, Canad. Ent., 1922, 54: 155. ♂, ♀. [o.d., host a, Lillooet, B.C. (U.S.N.M.)]

Phytodietus sp. Tothill, Proc. Acadian Ent. Soc., 1923, 8: 176. [host a, B.C.]

Phytodietus fumiferanae Mathers, Forestry Chron., 1932, 8: 156. [host a, B.C.]

Phytodietus fumiferanae Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405.
[host b, Me.]

TORTRICIDAE: a, *Archips fumiferana*. Miscellaneous: b, lepidopterous larva.

Phytodietus parvus Rohwer

Phytodietus parvus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 463. ♀. [key, o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Phytodietus parvus Hinman and Larson, Ent. News, 1935, 46: 149. [Ore.]

Phytodietus plesia Rohwer

Phytodietus plesia Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 465. ♀. [key, o.d., Riley Co., Kans. (U.S.N.M.)]

Phytodietus pleuralis Cresson

Phytodietus pleuralis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 266. ♂. [o.d., Colo. (A.N.S.P.)]

Phytodietus pleuralis Hartzell, Jour. Econ. Ent., 1919, 12: 237, host a, N.Y.]

Phytodietus pleuralis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 464. [key, des., Colo.]

Phytodietus pleuralis Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man., Ont.]

TORTRICIDAE: a, *Argyrotaenia pinatubana*.

Phytodietus pulcherrimus (Cresson)

- Mesoleptus pulcherrimus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂.
[o.d., Conn. (A.N.S.P.)]
- Phytodietus distinctus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♀.
[o.d., Del. (A.N.S.P.), Mass.]
- Phytodietus distinctus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 156. ♀.
[des.]
- Phytodietus zonatus* Provancher, Nat. Canad., 1874, 6: 79. ♀. [o.d., Que.
(M.P.Q.)]
- Mesoleptus pulcherrimus* Provancher, Nat. Canad., 1875, 7: 115. [key, des.,
Que.]
- Mesoleptus pulcherrimus* Provancher, Nat. Canad., 1875, 7: 272. [key]
- Phytodietus zonatus* Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 483)
[key, des.]
- Phytodietus distinctus* Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 484).
[key, des.]
- Phytodietus pulcherrimus* Provancher, Nat. Canad., 1880, 12: 81; (Faune, p.
484). [key, des.]
- Mesostenus nobilis* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785).
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]
- Mesoleius telarius* Provancher, Addit. Faune Canada, Hymén., 1886, p. 106.
♀. [key, o.d., Bécancour, Que. (M.P.Q.)]
- Phytodietus nobilis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]
- Phytodietus zonatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]
- Meniscus pulcherrimus* Davis, Canad. Ent., 1894, 26: 321. [key]
- Ctenopelma pulchra* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♂.
[o.d., Brookline, Mass. (U.S.N.M.)]
- Phytodietus pulchra* Davis, Trans. Amer. Ent. Soc., 1898, 24: 340. [syn.]
- Phytodietus zonatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]
- Phytodietus distinctus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p. 312.
[key]
- Meniscus pulcherrimus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p.
313. [key, Conn.]
- Phytodietus pulcherrimus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. ♂.
[key, syn., Va.]
- Phytodietus distinctus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 463. [key,
syn.]
- Phytodietus pulcherrimus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 10.
♀. [des., D.C., ?Mont.]
- Phytodietus pulcherrimus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104.
[Man.]
- Phytodietus distinctus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Phytodietus pulcherrimus* Balduf, Ohio Jour. Sci., 1929, 29: 233. [des., biol.,
host b, Ohio]

Phytodietus distinctus Balduf, Ohio Jour. Sci., 1929, 29: 234. [des., biol., host b, Ohio]

Phytodietus pulcherrimus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 366. [syn., des., host a, Ohio]

PYRAUSTIDAE: a, *Loxostege similalis*; b, *Phlyctaenia tertialis*.

Phytodietus vulgaris Cresson

Phytodietus vulgaris Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♂, ♀. [o.d., Del. (A.N.S.P.), Canada, Conn., Ill., Mass., Pa.]

Phytodietus vulgaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 154. ♂, ♀. [des.]

Phytodietus vulgaris Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 484). [key, des.]

Mesoleius annulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 106. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

Phytodietus vulgaris Riley and Howard, Insect Life, 1891, 3: 464. [host j, Mo.]

Phytodietus vulgaris Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1891, 12: 9. [biol., host i, Mass.]

Phytodietus vulgaris Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Phytodietus vulgaris Slosson, Ent. News, 1895, 6: 317. [N.H.]

Phytodietus vulgaris Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Phytodietus vulgaris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, p. 572. [N.J., N.Y.]

Phytodietus vulgaris Nason, Ent. News., 1905, 16: 172. [Ill.]

Phytodietus vulgaris Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 286. [host a, N.Y.]

Phytodietus vulgaris Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host f, Me.]

Phytodietus vulgaris Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [fig., host a, N.Y.]

Phytodietus vulgaris Weiss, Ent. News, 1915, 26: 105. [host d, N.J.]

Phytodietus vulgaris Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 312. [key, Conn.]

Phytodietus annulatus Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 466. ♂, ♀. [key, syn., des., fig., host d j, Canada, Mo., N.H., N.Y., Ohio, Pa.]

Phytodietus vulgaris Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. ♂, ♀. [key, des., host f, D.C., Mich., N.J., Va.]

Phytodietus vulgaris Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Phytodietus annulatus Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host e, Va.]

Phytodietus annulatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Phytodietus annulatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host a h, N.Y.]

Phytodietus vulgaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host a f, N.Y.]

- Phytodietus vulgaris* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Phytodietus annulatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
Phytodietus vulgaris Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
Phytodietus annulatus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
Phytodietus annulatus Gilliat, Canad. Ent., 1937, 69: 145. [host *c*, N.S.]
Phytodietus annulatus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [host *d k*, Me.]
Phytodietus annulatus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14, 15. [host *b g*, Canada]

TORTRICIDAE: *a*, *Archips argyrospila*; *b*, *Argyrotaenia lutosana*; *c* *Argyrotaenia mariana*; *d*, *Argyrotaenia pinatubana*; *e*, *Argyrotaenia velutinana*; *f*, *Peronea minuta*; *g*, *Peronea varians*. OLETHREUTIDAE: *h*, *Ancylys comptana fragariae*; *i*, *Spilonota ocellana*. GEOMETRIDAE: *j*, geometrid on *Physalis viscosa*. Miscellaneous: *k*, leaf roller on *Populus* sp.

NETELIA Gray

Subgenus **Paropheltes** Cameron

Paropheltes Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17: 1011.

Genotype: *Paropheltes flavolineatus* Cameron.

Netelia (Paropheltes) alaskensis (Ashmead)

- Paniscus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]
Paniscus alaskensis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 108. [key, des.]
Paniscus alaskensis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38. [key, des.] All but Alaska specimens misdetermined.
Paniscus alaskensis Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]
Paniscus alaskensis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
Netelia (Paropheltes) alaskensis Townes, Lloydia, 1939, 1: 181. [key, des., fig., Alaska]

Netelia (Paropheltes) albovariegata (Provancher)

- Paniscus albovariegatus* Provancher, Nat. Canad., 1874, 6: 106. ♂. [key, o.d., Que. (M.P.Q.)]
Paniscus albovariegatus Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360). [key, des.]
Paniscus albovariegatus Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Paniscus albovariegatus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Paniscus albovariegatus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]
Paniscus albovariegatus Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, des.]

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Paniscus albovariegatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38.
[key, des.]

Netelia (Paropheltes) albovariegata Townes, Lloydia, 1939, 1: 179. [key, des.,
fig., Ill., N.Y., Ohio, Que., S.D.]

***Netelia (Paropheltes) barberi* (Cushman)**

Paniscus pallens var. *barberi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art.
20: 40. ♂, ♀. [key, o.d., Cranmoor, Wis. (U.S.N.M.)]

Paniscus pallens var. *barberi* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.
[Alta.]

Paniscus pallens barberi Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (Paropheltes) barberi Townes, Lloydia, 1939, 1: 178. [key, des., fig.,
B.C., D.C., N.S., N.Y., Sask., Wash.]

***Netelia (Paropheltes) ciliata* Townes**

Netelia (Paropheltes) ciliata Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,
fig., San Diego, Calif. (Calif. Acad. Sci.)]

***Netelia (Paropheltes) macroglossa* Townes**

Netelia (Paropheltes) macroglossa Townes, Lloydia, 1939, 1: 179. ♂. [key,
o.d., fig., Nev. (A.N.S.P.)]

***Netelia (Paropheltes) picta* Townes**

Netelia (Paropheltes) picta Townes, Lloydia, 1939, 1: 181. ♂. [key, o.d., fig.,
Nev. (A.N.S.P.)]

***Netelia (Paropheltes) radiata* Townes**

Netelia (Paropheltes) radiata Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,
fig., Lake Tahoe, Calif. (Calif. Acad. Sci.) Ariz., Kans.]

***Netelia (Paropheltes) rimata* Townes**

Netelia (Paropheltes) rimata Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,
fig., Lake Tahoe, Calif. (U.S.N.M.), B.C.]

***Netelia (Paropheltes) serrata* Townes**

Netelia (Paropheltes) serrata Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,
fig., Poughkeepsie, N.Y. (Townes Coll.), Ia., Ont.]

***Netelia (Paropheltes) tarsata* (Brischke)**

Paniscus tarsatus Brischke, Schrift. Naturf. Ges. Danzig, 1880, 4, pt. 4: 138.
♂, ♀. [o.d., biol., host, Prov. West- & Ostprussia (Europe) (location of
type unknown)]

?*Parabates monticola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
949. [N.Y.] ?Misdetermined.

Paniscus tarsatus Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 413. [Me.]

Netelia (Paropheltes) tarsata Townes, Lloydia, 1939, 1: 178. [key, des., fig.,
Europe, N.S., N.Y., Que., S.C.]

Subgenus **Parabates** Foerster

Parabates Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 150.

Genotype: *Parabatus nigricarpus* Thomson.

Netelia (Parabates) monticola (Cushman)

Ctenacme monticola Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

Parabates monticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 20. ♀.

[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] Records from Ont. and N.B. erroneous.

Parabates monticola Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 48. [key, des.]

Netelia (Parabates) monticola Townes, Lloydia, 1939, 1: 182. ♂, ♀. [key, des., fig., B.C., N.H.]

Subgenus **Toxochilus** Townes

Toxochilus Townes, Lloydia, 1939, 1: 182.

Genotype: *Paniscus clypeatus* Cushman.

Netelia (Toxochilus) caviverticalis (Cushman)

Paniscus caviverticalis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 29.

♀. [key, o.d., Platte Canyon, Colo. (U.S.N.M.)]

Netelia (Toxochilus) caviverticalis Townes, Lloydia, 1939, 1: 183. ♀. [key, des., Colo.]

Netelia (Toxochilus) clypeata (Cushman)

Paniscus clypeatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 29.

♂, ♀. [key, o.d., Ill. (U.S.N.M.), Va.]

Paniscus clypeatus Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (Toxochilus) clypeata Townes, Lloydia, 1939, 1: 184. [key, des., fig., Colo., D.C., Ill., Ia., Minn., N.M., S.D., Va.]

Netelia (Toxochilus) glabra Townes

Netelia (Toxochilus) glabra Townes, Lloydia, 1939, 1: 183. ♂, ♀. [key, o.d., fig., Morton Co., Kans. 3200 ft. (Univ. Kans.)]

Netelia (Toxochilus) magniceps Townes

Netelia (Toxochilus) magniceps Townes, Lloydia, 1939, 1: 184. ♂, ♀. [key, o.d., fig., Willard, Mo. (Cornell Univ.), Ariz., Colo., Kans.]

Netelia (Toxochilus) mystace Townes

Netelia (Toxochilus) mystace Townes, Lloydia, 1939, 1: 184. ♂. [key, o.d., fig., Baboquivari Mts., Ariz. (Calif. Acad. Sci.)]

Netalia (Toxochilus) pulchra (Cushman)

Paniscus pulcher Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 25. ♂, ♀. [key, o.d., Roswell, N.M. (U.S.N.M.)]

Netelia (Toxochilus) pulchra Townes, Lloydia, 1939, 1: 185. [key, des., fig., N.M.]

Netelia (Toxochilus) ultima Townes

Netelia (Toxochilus) ultima Townes, Lloydia, 1939, 1: 183. ♂, ♀. [key, o.d., fig., Jemez Springs, N.M. (Cornell Univ.)]

Subgenus **Prosthodocis** Enderlein

Prosthodocis Enderlein, Stettin Ent. Ztg., 1912, 73: 107, 141.

Genotype: *Paniscus antefurcalis* Szépligeti.

Netelia (Prosthodocis) exserta (Cushman)

Parabates exsertus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 47. ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.), Ala., D.C.]

Netelia (Prosthodocis) exserta Townes, Lloydia, 1939, 1: 187. ♂, ♀. [des., fig., Ala., Mo., N.Y., R.I.]

Subgenus **Netelia** Gray

Netelia Gray, Ann. Mag. Nat. Hist., 1860, (3), 5: 341.

Genotype: *Paniscus inquinatus* Gravenhorst.

Bucheckerius Schulz, Spolia Hymen., 1906, p. 280.

Genotype: *Bucheckerius perforatus* Schulz.

Netelia (Netelia) acuminata Townes

Netelia (Netelia) acuminata Townes, Lloydia, 1939, 1: 206. ♂, ♀. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Ala., Ariz., Calif., Ky., Md., Mass., Minn., Miss., N.C., R.I., Tex.]

Paniscus acuminatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

Netelia (Netelia) affinis Townes

Netelia (Netelia) affinis Townes, Lloydia, 1939, 1: 206. ♂. [key, o.d., fig., Tieton, Wash. (U.S.N.M.) Nev.]

Netelia (Netelia) appendiculata (Provancher)

Paniscus appendiculatus Provancher, Nat. Canad., 1874, 6: 105. ♂. [key, o.d., Que. (type lost)]

Paniscus geminatus Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360). [key, des., syn. (in part)]

Paniscus appendiculatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [unrecognized]

Netelia appendiculata Townes, Lloydia, 1939, 1: 222. [unrecognized]

Netelia (Netelia) blantoni Townes

Netelia (Netelia) blantoni Townes, Lloydia, 1939, 1: 214. ♂. [key, o.d., fig., Farmingdale, N.Y. (Townes Coll.), R.I.]

Netelia (Netelia) brevicornis brevicornis (Cushman)

Paniscus brevicornis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 27. ♂, ♀. [key, o.d., Wellington, Kans. (U.S.N.M.), Ala., Colo., Conn., D.C., Ind., Kans., Mont., N.C., N.Y., Okla., Pa., S.D., Tex., Va.]

Paniscus brevicornis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (Netelia) brevicornis brevicornis Townes, Lloydia, 1939, 1: 201. [key, des., fig., Ala., Minn., Mont., N.S., Que., Tex.]

Netelia (Netelia) brevicornis suturalis Townes

Netelia (Netelia) brevicornis suturalis Townes, Lloydia, 1939, 1: 201. ♂, ♀. [key, o.d., fig., Kimama, Ida. (U.S.N.M.), Alta., B.C., Mont., Ore., Ut.]

Netelia (Netelia) brevicornis temporalis (Cushman)

Paniscus temporalis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 30. ♀. [key, o.d., Los Angeles Co., Calif. (U.S.N.M.)]

Netelia (Netelia) brevicornis temporalis Townes, Lloydia, 1939, 1: 201. [key, des., fig., Calif.]

Netelia (Netelia) brunnea Townes

Netelia (Netelia) brunnea Townes, Lloydia, 1939, 1: 209. ♂. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Md., Va.]

Netelia (Netelia) californica (Cushman)

Paniscus californicus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. ♀. [key, o.d., Berkeley, Calif. (U.S.N.M.)]

Netelia (Netelia) californica Townes, Lloydia, 1939, 1: 204. [key, des., fig., B.C., Calif.]

Netelia (Netelia) calva Townes

Netelia (Netelia) calva Townes, Lloydia, 1939, 1: 210. ♂. [key, o.d., fig., Maywood, Alexandria Co., Va. (U.S.N.M.)]

Netelia (Netelia) cascadica Townes

Netelia (Netelia) cascadica Townes, Lloydia, 1939, 1: 205. ♂. [key, o.d., fig., Mt. Hood, Ore. (A.N.S.P.)]

Netelia (Netelia) caudata Townes

Netelia (Netelia) caudata Townes, Lloydia, 1939, 1: 216, ♂. [key, o.d., fig., Va. (A.N.S.P.), Ill., Okla.]

Netelia (Netelia) chloris (Olivier)

Ophion chloris Olivier, Encycl. Méthod. Insect., 1811, 8: 509. ♀. [o.d., North America (type lost)]

Paniscus chloris Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. [des.]

Ophion chloris Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 106. [syn.]

Netelia chloris Townes, Lloydia, 1939, 1: 222. [syn., unrecognized]

Netelia (Netelia) cockerelli (Cushman)

Paniscus cockerelli Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 35. ♀.
[key, o.d., Santa Fe, N.M. (U.S.N.M.), Ariz., Ut.]

Netelia (Netelia) cockerelli Townes, Lloydia, 1939, 1: 200. [key, des., fig.,
Ariz., Calif., N.M., Ut.]

Netelia (Netelia) cushmani Townes

Netelia (Netelia) cushmani Townes, Lloydia, 1939, 1: 206. ♂. [key, o.d.,
fig., Merritt, B.C. (Univ. Kans.)]

Netelia (Netelia) delicata Townes

Netelia (Netelia) delicata Townes, Lloydia, 1939, 1: 212. ♂, ♀. [key, o.d.,
fig., Westerly, R.I. (Townes Coll.), Ala., Kans., Minn., Que.]

Netelia (Netelia) densa Townes

Netelia (Netelia) densa Townes, Lloydia, 1939, 1: 204. ♂. [key, o.d., fig.,
Cloudcroft, N.M. (A.N.S.P.), Ariz.]

Netelia (Netelia) emorsa Townes

Netelia (Netelia) emorsa Townes, Lloydia, 1939, 1: 197. ♂, ♀. [key, o.d.,
fig., Bermuda Is. (U.S.N.M.), Fla., West Indies]

Netelia (Netelia) falcata Townes

Netelia (Netelia) falcata Townes, Lloydia, 1939, 1: 210. ♂, ♀. [key, o.d.,
fig., Ithaca, N.Y. (Cornell Univ.), Vt.]

Netelia (Netelia) geminatus (Say)

Ophion geminatus Say, Contrib. Maclurean Lyceum Arts Sci. Phila., 1829, 1:
76; (Leconte Ed. 1: 379). [o.d., Ind. (type destroyed)]

Paniscus geminatus Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. [des., Calif.,
Canada, Del., Ill., Md., New England, N.J., N.Y., Pa., Va.]

Ophion geminatus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.
[Mass.]

Paniscus geminatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Paniscus geminatus Riley, Ann. Rpt. Insects Mo., 1869, 1: 89. [biol., host e]

Paniscus geminatus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. [des., Tex.]

Paniscus geminatus Provancher, Nat. Canad., 1874, 6: 105. [key]

Paniscus geminatus Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360).
[key, syn., des., fig. (in part)]

Paniscus geminatus Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Paniscus geminatus Smith, Rpt. N.J. Geologist, 1890, 2: 26. [N.J.]

Paniscus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♀. [o.d.,
Tex. (U.S.N.M.)]

Paniscus geminatus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Paniscus geminatus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Paniscus geminatus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Paniscus geminatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.J., N.Y.]

- Paniscus texanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.J.]
- Paniscus geminatus* Howard, The Insect Book, 1902, plate 10, fig. 23.
- Paniscus geminatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289, 304. [des., Colo., Kans.]
- Paniscus geminatus* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Paniscus geminatus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Paniscus geminatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]
- Ophion geminatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Paniscus geminatus* Whitmarsh, Ann. Ent. Soc. Amer., 1910, 3: 198, 204-208. [des., morphology]
- Paniscus geminatus* Webster, Jour. Econ. Ent., 1911, 4: 181. [host *f*, Ia.]
- Paniscus geminatus* Webster, Bull. Ia. Agr. Exp. Sta., 1911, 122: 346. [host *f*, Ia.]
- Paniscus geminatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 163. [syn., United States]
- Paniscus geminatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 104. [key, des., Calif., Colo., Mexico, N.Y.]
- Paniscus texanus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 111. [key, des., Me., Mexico]
- Paniscus geminatus* Cushman, Proc. Ent. Soc. Wash., 1913, 15: 155-157. [biol., fig.]
- Paniscus geminatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 76, 86. [fig., host *c*, Ont.]
- Paniscus geminatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p. 280. [des., fig., Conn.]
- Paniscus geminatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Paniscus geminatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 41. [key, des., N.H., S.D., Fla., Tex.]
- Paniscus texanus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [key, des.]
- Paniscus geminatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Paniscus geminatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]
- Paniscus geminatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 65. [host *d*, Kans.]
- Paniscus geminatus* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *b*]
- Paniscus geminatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Paniscus geminatus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Paniscus geminatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *a*, N.H.]
- Paniscus geminatus* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
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Netelia (*Netelia*) *geminata* Townes, Lloydia, 1939, 1: 214. [key, syn., des., fig., Mass., Mont., N.C., N.Y., Que., Tex.]

PHALAEINIDAE: a, *Alypia octomaculata*; b, *Amathes badinodis*; c, *Cirphis unipuncta*; d, *Laphygma frugiperda*; e, *Prodenia dolichos*; f, *Protoleucania albilinea*.

***Netelia* (*Netelia*) *heroica* Townes**

Netelia (*Netelia*) *heroica* Townes, Lloydia, 1939, 1: 213. ♂. [key, o.d., fig., Ithaca, N.Y. (Townes Coll.), Ariz., Colo., Mexico, Mich., Minn.]

***Netelia* (*Netelia*) *idioctenus* Townes**

Netelia (*Netelia*) *idioctenus* Townes, Lloydia, 1939, 1: 198. ♀. [key, o.d., fig., Falls Church, Va. (Cornell Univ.), Ala., N.Y., S.C.]

***Netelia* (*Netelia*) *inepta* Townes**

Netelia (*Netelia*) *inepta* Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Ga. (A.N.S.P.), N.C.]

Paniscus ineptus Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Netelia*) *ingrata* Townes**

Netelia (*Netelia*) *ingrata* Townes, Lloydia, 1939, 1: 216. ♂. [key, o.d., fig., Chiricahua Mts., Ariz., 4000–6000 ft. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *lativectis* Townes**

Netelia (*Netelia*) *lativectis* Townes, Lloydia, 1939, 1: 212. ♂. [key, o.d., fig., Rio Ruidoso, White Mts., N.M., about 6500 ft. (U.S.N.M.)]

***Netelia* (*Netelia*) *leo arizonensis* (Cushman)**

Paniscus arizonensis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 37. ♀. [key, o.d., Chiricahua Mts., Ariz. (U.S.N.M.)]

Netelia (*Netelia*) *leo arizonensis* Townes, Lloydia, 1939, 1: 195. [key, des., fig., Ariz., Calif., Mexico, N.M.]

***Netelia* (*Netelia*) *leo leo* (Cushman)**

Paniscus leo Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38. ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.), Md.]

Paniscus leo Bradley, Bull. Lloyd. Libr., 1926, 27: 170. [N.Y.]

Paniscus leo Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Paniscus leo Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (*Netelia*) *leo leo* Townes, Lloydia, 1939, 1: 195. [key, des., fig., Ga., Ill., Ia., Mass., N.C., Tex.]

***Netelia* (*Netelia*) *ligata* Townes**

Netelia (*Netelia*) *ligata* Townes, Lloydia, 1939, 1: 205. ♂. [key, o.d., fig., Deer Park, Chiricahua Mts., Ariz., 9000–9800 ft. (Calif. Acad. Sci.)]

Netelia (Netelia) lucens Townes

Netelia (Netelia) lucens Townes, Lloydia, 1939, 1: 205. ♂, ♀. [key, o.d., fig., Colo. (A.N.S.P.)]

Netelia (Netelia) macra Townes

Netelia (Netelia) macra Townes, Lloydia, 1939, 1: 196. ♂. [key, o.d., fig., West Indies (U.S.N.M.), Argentina, Ariz., Ill., Md., Peru, Va.]

Netelia (Netelia) microdon Townes

Netelia (Netelia) microdon Townes, Lloydia, 1939, 1: 211. ♂, ♀. [key, o.d., fig., Greenville, S.C. (Townes Coll.), Ala., Fla., Ga., La., Md., Miss., Tex., Va.]

Netelia (Netelia) microtylus Townes

Netelia (Netelia) microtylus Townes, Lloydia, 1939, 1: 210. ♂, ♀. [key, o.d., fig., Carr Canyon, Huachuca Mts., Ariz. (A.N.S.P.)]

Netelia (Netelia) mustela Townes

Netelia (Netelia) mustela Townes, Lloydia, 1939, 1: 194. ♂, ♀. [key, o.d., fig., Ramsey Canyon, Huachuca Mts., Ariz. (Cornell Univ.)]

Netelia (Netelia) nigripectus (Ashmead)

Paniscus nigripectus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♀. [o.d., Tex. (U.S.N.M.)]

Paniscus melanostigma Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 111. [syn. (in part)]

Paniscus nigripectus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. [key, des.]

Netelia (Netelia) nigripectus Townes, Lloydia, 1939, 1: 202. [key, des.]

Netelia (Netelia) nitida Townes

Netelia (Netelia) nitida Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Niagara Falls, N.Y. (A.N.S.P.)]

Netelia (Netelia) obrepta Townes

Netelia (Netelia) obrepta Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Hazelton, Pa. (U.S.N.M.)]

Netelia (Netelia) ocellata (Viereck)

Paniscus ocellatus Viereck, Proc. Ent. Soc. Wash., 1909, 11: 211. ♂, ♀. [o.d., Wellington, Kans. (U.S.N.M.)]

Paniscus immaculatus Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. ♀. [key, o.d., United States (British Mus.)]

Paniscus immaculatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 27. [key, des.]

Paniscus ocellatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. [key, des., Ala., Alta., Ariz., Colo., D.C., Ind., Kans., S.D., Tex.]

Paniscus ocellatus var. *microocellatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. ♂, ♀. [key, o.d., Tex. (U.S.N.M.)]

Paniscus ocellatus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.]

Paniscus ocellatus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

Paniscus ocellatus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Sask.]

Netelia (*Netelia*) *ocellata* Townes, Lloydia, 1939, 1: 196. [key, syn., des., fig., host a, ?Ariz., Bermuda Is., Fla., ?Ga., ?La., ?Md., ?N.M., Ore., Peru, Sask., Tex.]

PHALAENIDAE: a, *Agrotis orthogonia*.

***Netelia* (*Netelia*) *orba* Townes**

Netelia (*Netelia*) *orba* Townes, Lloydia, 1939, 1: 193. ♂. [key, o.d., fig., D.C. (U.S.N.M.)]

***Netelia* (*Netelia*) *ovalis* Townes**

Netelia (*Netelia*) *ovalis* Townes, Lloydia, 1939, 1: 212. ♂. [key, o.d., fig., Canadarago Lake, N.Y. (Townes Coll.), D.C., Kans., R.I., Wis.]

***Netelia* (*Netelia*) *pallens pallens* (Cushman)**

Paniscus pallens Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 39. ♂, ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.), Ala., Colo., D.C., Ga., N.M., Tex.]

Peniscus (!) *pallens* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]

Paniscus pallens Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 4, figs. 20, 21. [biol.]

Paniscus pallens Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host a, N.J.]

Paniscus pallens Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (*Netelia*) *pallens pallens* Townes, Lloydia, 1939, 1: 208. [key, des., fig., Ga., N.Y.]

PHALAENIDAE: a, *Melipotis jucunda*.

***Netelia* (*Netelia*) *pallens occidentalis* Townes**

Netelia (*Netelia*) *pallens occidentalis* Townes, Lloydia, 1939, 1: 208. ♂, ♀. [key, o.d., fig., Baboquivari Mts., Ariz. (Calif. Acad. Sci.), B.C., ?Ga., Kans., Nev., N.M., Tex.]

***Netelia* (*Netelia*) *palpalis* Townes**

Netelia (*Netelia*) *palpalis* Townes, Lloydia, 1939, 1: 203. ♂. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Me., Mass., N.C.]

Paniscus palpalis Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Netelia*) *pardalis* (Cushman)**

Paniscus pardalis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 31. ♀. [key, o.d., Ritzville, Wash. (U.S.N.M.)]

Paniscus neomexicanus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 33. ♀. [o.d., Bernalillo Co., N.M. (U.S.N.M.)]

Paniscus pardalis Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

Netelia (*Netelia*) *pardalis* Townes, Lloydia, 1939, 1: 199. [key, syn., des., fig., B.C., Calif., N.M., Wyo.]

Paniscus pardalis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Netelia* (*Netelia*) *percurrens* Townes**

Netelia (*Netelia*) *percurrens* Townes, Lloydia, 1939, 1: 207. ♂. [key, o.d., fig., Colo. (A.N.S.P.)]

***Netelia* (*Netelia*) *platypes* (Cushman)**

Paniscus platypes Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 6. ♀. [o.d., Cabin John, Md. (U.S.N.M.)]

Netelia (*Netelia*) *platypes* Townes, Lloydia, 1939, 1: 203. [key, des., fig., host *a*, Ala., Mass., Wis.]

PHALAENIDAE: *a*, *Acronicta radcliffei*.

***Netelia* (*Netelia*) *pluridens* Townes**

Netelia (*Netelia*) *pluridens* Townes, Lloydia, 1939, 1: 202. ♂. [key, o.d., fig., W. Yellowstone, Wyo. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *punctata* Townes**

Netelia (*Netelia*) *punctata* Townes, Lloydia, 1939, 1: 208. ♂, ♀. [key, o.d., fig., Oneonta, N.Y. (Townes Coll.), Conn., Ga., Md., Mich., Ont., Pa., Tex., Va.]

***Netelia* (*Netelia*) *recta* Townes**

Netelia (*Netelia*) *recta* Townes, Lloydia, 1939, 1: 193. ♂, ♀. [key, o.d., fig., Ramsey Canyon, Huachuca Mts., Ariz. (Cornell Univ.)]

***Netelia* (*Netelia*) *rectifascia* Townes**

Netelia (*Netelia*) *rectifascia* Townes, Lloydia, 1939, 1: 216. ♂. [key, o.d., fig., Patagonia, Ariz. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *reflexa*, Townes**

Netelia (*Netelia*) *reflexa* Townes, Lloydia, 1939, 1: 198. ♂. [key, o.d., fig., Devers, Tex. (Cornell Univ.)]

***Netelia* (*Netelia*) *sayi* (Cushman)**

Paniscus geminatus var. *sayi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 41. ♂, ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

Paniscus geminatus var. *sayi* Vance, Ann. Ent. Soc. Amer., 1927, 20: 405-415. [biol., fig., host *c*, Va.]

Paniscus geminatus var. *sayi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Paniscus geminatus sayi Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

Paniscus geminatus sayi Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *b d*, Mass., N.J.]

Paniscus sayi Brimley, Insects of N.C., 1938, p. 413. [N.C.]

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Netelia (*Netelia*) *sayi* Townes, Lloydia, 1939, 1: 213. [key, des., fig., host *a c*, Mass., Mexico, N.C., Que., Pa., S.D., Tex.]

PHALAENIDAE: a, *Amathes badinodis*; b, *Graptolitha antennata*; c, *Heliothis armigera*; d, *Pyreferra hesperidago*.

***Netelia* (*Netelia*) *spinipes* (Cushman)**

Paniscus spinipes Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 32. ♂, ♀. [key, o.d., Washington, D.C. (U.S.N.M.), Conn., D.C., Kans., N.C., Tex., Va.]

Paniscus spinipes Vance, Ann. Ent. Soc. Amer., 1927, 20: 405-417. [biol., fig., host *a*, Va.]

Paniscus spinipes Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (*Netelia*) *spinipes* Townes, Lloydia, 1939, 1: 199. [key, des., fig., host *a*, United States east of Rocky Mts., Mexico., Ore.]

PHALAENIDAE: a, *Heliothis armigera*.

***Netelia* (*Netelia*) *stigmata* Townes**

Netelia (*Netelia*) *stigmata* Townes, Lloydia, 1939, 1: 202. ♂, ♀. [key, o.d., fig., Lakehurst, N.J., (U.S.N.M.)]

***Netelia* (*Netelia*) *strigilobus* Townes**

Paniscus semirufus? Hicks, Pan-Pacific Ent., 1933, 9: 49-52. [biol., host *a*, Calif.] Misdetermined.

Netelia (*Netelia*) *strigilobus* Townes, Lloydia, 1939, 1: 207. ♂, ♀. [key, o.d., fig., Los Angeles, Calif. (U.S.N.M.)]

PHALAENIDAE: a, *Zale lunata*.

***Netelia* (*Netelia*) *subfuscus* (Cresson) ***

Paniscus subfuscus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 57. ♀. [o.d., Cuba (A.N.S.P.)]

Paniscus subfuscus Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, West Indies, Mexico, N.S.]

Paniscus subfuscus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 35. [key, des., Fla.]

Netelia subfusca Townes, Lloydia, 1939, 1: 222. [not recognized as Nearctic]

***Netelia* (*Netelia*) *townesi* (Uchida) new combination**

Netelia (*Netelia*) *unicolor* Townes, Lloydia, 1939, 1: 202. ♂. [key, o.d., fig., Mt. St. Helena, Napa Co., Calif. (Calif. Acad. Sci.) Nev.] Preoccupied in *Netelia* by Smith, 1874

Paniscus townesi Uchida, Insecta Matsumurana, 1939, 14: 45. [new name for *Netelia unicolor* Townes]

***Netelia* (*Netelia*) *townsendi* (Cushman)**

Paniscus townsendi Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 40. ♀. [key, o.d., south fork of Eagle Cr., White Mts., N.M. (U.S.N.M.)]

* Occurrence in the Nearctic Region needs confirmation.

Netelia (*Netelia*) *townsendi* Townes, Lloydia, 1939, 1: 211. [key, des., fig., N.M.]

***Netelia* (*Netelia*) *trituberculatus* (Cushman)**

Paniscus trituberculatus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 26. ♀. [key, o.d., Santa Rita Mts., Ariz. (U.S.N.M.), Calif.]

Netelia (*Netelia*) *trituberculata* Townes, Lloydia, 1939, 1: 194. [key, des., Ariz., Calif.]

***Netelia* (*Netelia*) *turbans* Townes**

Netelia (*Netelia*) *turbans* Townes, Lloydia, 1939, 1: 209. ♂. [key, o.d., fig., Huachuca Mts., Ariz. (U.S.N.M.), Colo.]

***Netelia* (*Netelia*) *umbone* Townes**

Netelia (*Netelia*) *umbone* Townes, Lloydia, 1939, 1: 207. ♂. [key, o.d., fig., Carmel, Calif. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *unguicularis* (Cushman)**

Paniscus unguicularis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 33. ♂, ♀. [key, o.d., Plummer's Is., Md. (U.S.N.M.), Ala., D.C., Ind., N.Y., N.C., Pa., Va.]

Paniscus unguicularis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Paniscus unguicularis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host a, Pa.]

Paniscus unguicularis Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Paniscus unguicularis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (*Netelia*) *unguicularis* Townes, Lloydia, 1939, 1: 193. [key, des., fig., Ala., D.C., Ill., N.Y., R.I.]

ARCTIIDAE: a, *Halisidota tessellaris*.

Subgenus ***Parabatus*** Thomson

Parabatus Thomson, Opusc. Ent., 1888, 12: 1194.

Genotype: *Ichneumon virgatus* Fourcroy.

***Netelia* (*Parabatus*) *deceptor* (Morley)**

Parabatus deceptor Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 129. ♂. [key, o.d., N.S. (British Mus.)]

Parabates deceptor Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 45. [key, des.]

Parabates cristatoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 46. ♂, ♀. [key, o.d., Kaslo, B.C. (U.S.N.M.), Alaska, Wash.]

?*Parabates crassus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 47. ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.)]

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Parabates cristatoides Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *b*, Me.]

?*Parabates crassus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413. [Me.]

Netelia (*Parabatus*) *deceptor* Townes, Lloydia, 1939, 1: 220. [key, des., fig., host *a b*, Alaska, Alta., B.C., Calif., Me., Minn., Mont., N.H., N.M., N.S., N.Y., Ohio, Ont.]

NOTODONTIDAE: *a*, *Schizura concinna*. PHALAENIDAE: *b*, *Polia legitima*.

***Netelia* (*Parabatus*) *latungula* Thomson**

Parabatus latungula Thomson, Opusc. Ent., 1888, 12: 1196. ♂, ♀. [o.d., Sweden (?Lund Mus.)]

Paniscus (*Parabatus*) *latungula deceptor* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 105. [des., N.Y.] Misdetermined.

Netelia (*Parabatus*) *latungula* Townes, Lloydia, 1939, 1: 219. [key, des., fig., D.C., Germany, Ill., Japan, Mass., N.Y., Ont., Que., Sweden, ?Wash.]

***Netelia* (*Parabatus*) *longipalpus* Townes**

Parabates smithi Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 45. ♀. [key, o.d., Coleta, Ala. (U.S.N.M.), D.C., Md., N.C., Pa., Va.] Preoccupied in *Netelia* by Dalla Torre, 1901.

Parabates smithi Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Paniscus smithi Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Parabates smithi Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Parabates smithi Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *a*, Mass.]

Parabates smithi Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Netelia (*Parabatus*) *longipalpus* Townes, Lloydia, 1939, 1: 218. ♂, ♀. [key, des., fig., Ala., Ill., Que., Pa., new name for *Parabates smithi* Cushman]

PHALAENIDAE: *a*, *Paralellia bistriaris*.

***Netelia* (*Parabatus*) *rogersi* Townes**

Netelia (*Parabatus*) *rogersi* Townes, Lloydia, 1939, 1: 219. ♂, ♀. [key, o.d., fig., Macon Co., N.C. (Townes Coll.), Md., Va.]

Paniscus rogersi Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Parabatus*) *sinus* Townes**

Netelia (*Parabatus*) *sinus* Townes, Lloydia, 1939, 1: 220. ♂. [key, o.d., fig., Rosslyn, Va., (U.S.N.M.), Guatemala, Ill.]

***Netelia* (*Parabatus*) *uncata* Townes**

Netelia (*Parabatus*) *uncata* Townes, Lloydia, 1939, 1: 218. ♂, ♀. [key, o.d., fig., Camp Greenville, River Falls, Greenville Co., S.C., 3000 ft. (Townes Coll.), D.C.]

Subfamily 2. TRYPHONINAE

Tribe 3. BOËTHINI

BOËTHUS Foerster

Boëthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: (*Boëthus howardi* Davis) = *schizoceri* Riley & Howard.

Diplomorphus Giraud, Ann. Ent. Soc. France, 1872, 1: 409.

Genotype: *Diplomorphus thoracicus* Giraud.

Aethalodes Kriechbaumer, Mitt. Schweiz. Ent. Ges., 1890, 8: 207. Preoccupied by Gahan, 1888.

Genotype: *Aethalodes mesomelas* Kriechbaumer.

Boëthus alaingens Davis

Boëthus alaingens Davis, Trans. Amer. Ent. Soc. 1898, 24: 291, ♀. [key, o.d., San Bernadino Co., Calif. (A.N.S.P.)]

Boëthus alaingens Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

Boëthus glabranotus Davis

Boëthus glabranotus Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♀. [key, o.d., Mont. (A.N.S.P.)]

Boëthus glabranotus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

Boëthus nigripennis Cushman

Boëthus nigripennis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 12. ♂, ♀. [key, o.d., host *a*, Ammons, Breckinridge Co., Ky. (U.S.N.M.)]

ARGIDAE: *a*, *Arge salicis*.

Boëthus schizoceri (Riley and Howard)

Eubadizon schizoceri Riley and Howard, Insect Life, 1888, 1: 44. [o.d. as a fig., host *a*, Ocean Springs, Miss. (U.S.N.M.)]

Mesoleius schizoceri Riley and Howard, Insect Life, 1891, 3: 461. [syn.]

Boëthus howardi Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂, ♀. [key, o.d., host *a*, Ocean Springs, Miss. (A.N.S.P.)]

Boëthus schizoceri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.]

Boëthus aenigmaticus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 314. ♂. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kansas)] New synonymy.

Boëthus daeckei Viereck, Proc. Ent. Soc. Wash., 1909, 11: 210. ♂. [o.d., Essington, Pa. (U.S.N.M.)]

Boëthus schizoceri Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 162. [syn., des.]

Boëthus schizoceri Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

Boëthus aenigmaticus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

ARGIDAE: *a*, *Sterictiphora ebenus*

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Subfamily 2. TRYPHONINAE

Tribe 4. ADELOGNATHINI

ADELOGNATHUS Holmgren

Adelognathus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 196.

Genotype: *Adelognathus brevicornis* Holmgren.

Synaema Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Adelognathus brevicornis* Holmgren.

Adelognathus americanus Cushman

Trachyporthus americanus Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Adelognathus americanus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 2. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Adelognathus flavopictus Davis

Adelognathus flavopictus Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♂, ♀. [o.d., Ill. (A.N.S.P.), Mich.]

Adelognathus flavopictus Nason, Ent. News, 1905, 16: 169. [Ill.]

Adelognathus pallipes (Gravenhorst)

Plectiscus pallipes Gravenhorst, Ichneum. Europeae, 1829, 2: 981. ♀. [o.d., Finland (?Breslau Mus.)]

Adelognathus pallipes Thomson, Opusc. Ent., 1883, 9: 878. ♂, ♀. [des., syn., Sweden]

Catalytus pallipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 419. ♂, ♀. [o.d., host *a*, biol., near Aqueduct Bridge, Georgetown, D.C. (U.S.N.M.)] Preoccupied in *Adelognathus* by Gravenhorst, 1829. New synonymy.

Hemiteles pallidipes Dalla Torre, Cat. Hymen., 1902, 3: 660. [emendation of *Catalytus pallipes* Ashmead]

Pammacra pallipes Slosson, Ent. News, 1902, 13: 5. [N.H.]

Adelognathus persimilis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 3. [des., new name for *Catalytus pallipes* Ashmead]

Adelognathus persimilis Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Miscellaneous: *a*, sawfly larva.

CNEMISCHYS Foerster *

Cnemischys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Adelognathus* (*Cnemischus*) *pilosus* Thomson. One of three species included by Schmiedeknecht, 1911, by present designation

Cnemischus Thomson, Opusc. Ent., 1888, 12: 1277.

Genotype: *Adelognathus* (*Cnemischus*) *pilosus* Thomson. By present designation.

* An undescribed Nearctic species of this genus is in the Townes Collection.

PAMMICRA Foerster

Pammicra Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

New synonymy.

Genotype: *Hemiteles dorsalis* Gravenhorst.

Pammicrus Thomson, Opusc. Ent., 1883, 9: 880.

Genotype: *Hemiteles dorsalis* Gravenhorst.

Pammicra dorsalis (Gravenhorst)

Hemiteles dorsalis Gravenhorst, Ichneum. Europeae, 1829, 2: 838. ♂, ♀.
[o.d., Warmbrum, Germany (?Breslau Mus.)]

Hemiteles tener Provancher, Nat. Canad., 1874, 6: 333. ♂. [key, o.d., Que.
(M.P.Q.)] New synonymy.

Hemiteles tener Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326).
[key, des.]

Hemiteles tener Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

Notomeris glabrosus Slosson, Ent. News, 1896, 7: 264. [N.H.] *Nomen nudum*.

Notomeris glabrosus Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♀. [o.d.,
N.H. (A.N.S.P.)] New synonymy.

Pammicra dorsalis Dalla Torre, Cat. Hymen., 1901, 3: 312. [syn.]

Adelognathus deganti Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 14.

♀. [o.d., Puritas Spring, Ohio (U.S.N.M.)] New synonymy.

Adelognathus dorsalis Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Subfamily 2. TRYPHONINAE

Tribe 5. IDIOGRAMMATINI

IDIOGRAMMA Foerster

Idiogramma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 163.

Genotype: *Idiogramma euryops* Foerster.

Macrochasmus Thomson, Opusc. Ent., 1888, 12: 1279.

Genotype: (*Macrochasmus alysiina* Thomson) = *euryops* Foerster.

Lysiognatha Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 276.

Genotype: *Lysiognatha comstockii* Ashmead.

Idiogramma bridwelli (Cushman) new combination

Lysiognatha bridwelli Cushman, Jour. Wash. Acad. Sci., 1937, 27: 444. ♂, ♀.

[key, o.d., host *a*, Alexandria, Va. (U.S.N.M.)]

XYELIDAE: *a*, *Xyela* sp.

Idiogramma comstockii (Ashmead)

Lysiognatha comstockii Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 276. ♀.
[o.d., Nortons Landing, Cayuga Lake, N.Y. (U.S.N.M.)]

Lysiognatha comstockii Cushman, Jour. Wash. Acad. Sci., 1937, 27: 442. [key, des.]

Idiogramma comstockii Cushman, Proc. Ent. Soc. Wash., 1942, 44: 54. [syn.]

Idiogramma longicauda (Cushman) new combination

Lysiognatha longicauda Cushman, Jour. Wash. Acad. Sci., 1937, 27: 441, 443.
[key, o.d., fig., host *a*, Alexandria, Va. (U.S.N.M.)]

XYELIDAE: *a*, *Xyela* sp.

Idiogramma sulcata (Cushman) new combination

Lysiognatha sulcata Cushman, Jour. Wash. Acad. Sci., 1937, 27: 442. ♂, ♀.
[key, o.d., Clifton, Va. (U.S.N.M.)]

Subfamily 2. TRYPHONINAE

Tribe 6. TRYPHONINI

GRYPOCENTRUS Ruthe

Grypocentrus Ruthe, Stettin Ent. Ztg., 1855, 16: 52.

Genotype: *Grypocentrus incisulus* Ruthe.

Apimeles Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205.

New synonymy.

Genotype: (*Apimeles lusorius* Davis) = *flavipes* Provancher.

Cyrtocentrus Provancher, Nat. Canad., 1883, 14: 6. New synonymy.

Genotype: (*Cyrtocentrus quebecensis* Provancher) = *flavipes* Provancher.

Grypocentrus flavipes (Provancher) new combination

Mesostenus flavipes Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785).

♂. [o.d., Cap Rouge, Que. (M.P.Q.)]

Cyrtocentrus Quebecensis Provancher, Nat. Canad., 1883, 14: 6; (Faune, p. 794).

♀. [o.d., Que. (M.P.Q.)] New synonymy.

Tryphon quebecensis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Phygadeuon flavipes Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Apimeles lusorius Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♀. [o.d., eastern Canada (A.N.S.P.)] New synonymy.

Tryphon quebecensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Cyrtocentrus quebecensis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

POLYBLASTUS Hartig

Polyblastus Hartig, Wieg. Archiv Naturg., 1837, 3: 155.

Genotype: (*Tryphon varitarsus* Gravenhorst) = *strobilator* Thunberg.

Polyblastus carbonarius (Gravenhorst) *

Tryphon carbonarius Gravenhorst, Ichneum. Europ., 1829, 2: 141. ♂. [o.d., Austria (?Breslau Mus.)]

Polyblastus carbonarius Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 212. ♂, ♀. [des., Sweden, Lapland]

Polyblastus fulvilinealis Hall

Polyblastus fulvilinealis Hall, Psyche, 1919, 26: 155. ♂, ♀. [o.d., Riverside, Mass. and Auburndale, Mass. (Brues Coll.)]

Polyblastus fulvilinealis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Polyblastus fulvilinealis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Polyblastus pedalis (Cresson)

Tryphon pedalis Cresson, Proc. Ent. Soc. Philadelphia, 1864, 3: 273. ♂. [o.d., Ill. (A.N.S.P.)]

Bassus Bouleti Provancher, Nat. Canad., 1874, 6: 32. ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Bouleti Provancher, Nat. Canad., 1875, 7: 143. [syn.]

Tryphon pedalis Provancher, Nat. Canad., 1875, 7: 310, 311. [key, syn.]

Errormenus pedalis Provancher, Nat. Canad., 1879, 11: 265; (Faune, p. 423). [key, syn., des.]

Errormenus pedalis Provancher, Nat. Canad., 1887, 16: 34. [Que.]

Polyblastus pedalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂, ♀. [key, des., Calif., Canada, Colo., Ill., Mich., Nev., N.H., Ore., Wash.]

Polyblastus pedalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.Y.]

Polyblastus pedalis Slosson, Ent. News, 1900, 11: 320. [N.H.]

Polyblastus pedalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297. [key, Conn.]

Polyblastus edalis (!) Washburn, Ann. Rpt. St. Ent. Minn., 1918, 17: 173. [Minn.]

Polyblastus pedalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Polyblastus pedalis Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 947. [N.Y.]

Polyblastus pedalis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Polyblastus pedalis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 412. [host a]

Polyblastus pedalis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

TENTHREDINIDAE: a, *Croesus latitarsis*.

* A female of this species from Edmonton, Alta. collected June 15, 1937 by F. O. Morrison is in the Townes Collection.

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Polyblastus strobilator (Thunberg)

Ichneumon strobilator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 270.
[o.d., no locality given (Upsala Mus.)]

Tryphon varitarsus Gravenhorst, Ichneum. Europ., 1829, 1: 688, 2: 222. ♂, ♀.
[o.d., central Europe (?Breslau mus), England]

Polyblastus varitarsus Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂, ♀.
[key, des., Colo., Mont., Nev.]

Erromenus annulipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♀.
[o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Polyblastus varitarsus Nason, Ent. News, 1905, 16: 170. [Ill.]

Polyblastus strobilator Roman, Zool. Bidrag från Upsala, 1912, 1: 281. [syn.]

Polyblastus varitarsus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Polyblastus tibialis (Cresson)

Tryphon tibialis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 280. ♀. (not ♂).
[o.d., Ill. (A.N.S.P.)]

Tryphon annulipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♀. [o.d.,
Ft. Resolution, Great Slave Lake (A.N.S.P.)]

Polyblastus annulipes Provancher, Nat. Canad., 1879, 11: 261; (Faune, p. 419).
♂, ♀. [key, des., Que.]

Polyblastus annulipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 107.
[key]

Polyblastus annulipes Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Polyblastus tibialis Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. [key, syn.,
des., Canada, Ill.]

Polyblastus tibialis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.Y.]

Polyblastus tibialis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297.
[key]

Prinopoda (!) *media* Hall, Psyche, 1919, 26: 158. ♀. [o.d., Machias, Me.
(Brues Coll.)] New synonymy.

Polyblastus tibialis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

LABROCTONUS Foerster

Labroctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Tryphon articulatus* Cresson.

Nemioblastus Thomson, Opusc. Ent., 1883, 9: 901. New synonymy.

Genotype: *Polyblastus* (*Nemioblastus*) *albicoxa* Thomson.

Labroctonus articulatus (Cresson)

Tryphon articulatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀. [o.d.,
Hudson Bay Territory (A.N.S.P.)]

Labroctonus articulatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♀.
[des.]

Labroctonus dorsalis (Provancher) new combination

Tryphon dorsalis Provancher, Nat. Canad., 1879, 11: 253; (Faune, p. 411). ♀ : [key, o.d., Que. (M.P.Q.)]

Tryphon dorsalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Tryphon dorsalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Labroctonus gloriosus (Davis) new combination

Phaestus gloriosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 292. ♀ . [o.d., Wash. (A.N.S.P.)]

SCOPIORUS Foerster

Scopiorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Polyblastus marginatus* Holmgren.

Gemophaga Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 211.

New synonymy.

Genotype: *Gemophaga rufa* Ashmead.

Scopiorus alaskensis Ashmead

Scopiorus (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 214. ♀ . [o.d., Popof Is., Alaska (U.S.N.M.)]

Scopiorus analis (Cresson)

Tryphon analis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 279. ♂ . [o.d., Pa. (A.N.S.P.)]

Tryphon occidentalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♀ . [o.d., Ill. (A.N.S.P.)]

Scopiorus analis Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂, ♀ . [key, syn., des., Ill., N.H., Pa.]

Scopiorus analis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298. [key]

Scopiorus (!) *analis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Scopiorus analis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Scopiorus occidentalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Scopiorus analis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

Scopiorus analis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Scopiorus annulicornis (Provancher) new combination

Polyblastus annulicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 108. ♀ . [key, o.d., Knowlton, Que. (M.P.Q.)]

Tryphon annulicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Polyblastus annulicornis Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

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Scopiorus dilatatus (Provancher)

Catocentrus dilatatus Provancher, Nat. Canad., 1875, 7: 316. ♂. [o.d., Que. (M.P.Q.)]

Polyblastus dilatatus Provancher, Nat. Canad., 1879, 11: 261; (Faune, p. 419). [key, des.]

Polyblastus dilatatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]

Scopiorus subcrassus Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. [syn. (in part)]

Scopiorus dilatatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Scopiorus expansus Davis

Scopiorus expansa Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♀. [key, o.d., Colo. (A.N.S.P.), Mont.]

Scopiorus expansus Dalla Torre, Cat. Hymen., 1901, 3: 314. [syn.]

Polyblastus scopioroides Hall, Psyche, 1919, 26: 156. ♂. [o.d., Woods Hole, Mass. (Brues Coll.)] New synonymy.

Scopiorus extricatus Davis

Scopiorus extricatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. ♀. [key, o.d., Colo. (A.N.S.P.)]

Scopiorus frigidus (Cresson) new combination

Bassus frigidus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Great Slave Lake (A.N.S.P.)]

Zootrephes frigidus Davis, Trans. Amer. Ent. Soc., 1895, 22: 22. ♀. [key, des.]

Scopiorus gillettii Davis

Scopiorus gillettii Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♀. [key, o.d., Colo. (A.N.S.P.)]

Scopiorus niveicola Ashmead

Scopiorus (!) *niveicola* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 214. ♂, ♀. [o.d., Alaska (U.S.N.M.)]

Scopiorus plagosus Hall

Scopiorus plagosus Hall, Psyche, 1919, 26: 159. ♀. [o.d., Yellowstone Pk., Continental Divide, 8200 ft., Wyo. (Brues Coll.)]

Scopiorus quebecensis (Provancher)

Euceros Quebecensis Provancher, Nat. Canad., 1874, 6: 30. ♀. [o.d., Que. (M.P.Q.)]

Polyblastus Quebecensis Provancher, Nat. Canad., 1879, 11: 262; (Faune, p. 420). [key, des.]

Polyblastus Quebecensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]

Tryphon flavifrons Fyles, Canad. Ent., 1893, 25: 107. ♀. [o.d., host *a*, Que. (location of type unknown)]

Scopiorus quebecensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂, ♀. [key, syn., des.]

Scopiorus monticola Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 56. ♀. [o.d., Colorado Springs, 5915 ft., Colo. (Univ. Kans.)] New synonymy.

Polyblastus quebecensis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Scopiorus quebecensis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host *b c*, Canada]

TENTHREDINIDAE: *a*, *Nematus* sp. on *Populus* sp.; *b*, *Pikonema alaskensis*; *c*, *Pikonema dimmockii*.

Scopiorus rufus (Ashmead) new combination

Trophoctonus insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Gemophaga rufa Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Scopiorus subcrassus (Cresson)

Tryphon subcrassus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♂, ♀. [o.d., Mass. (A.N.S.P.), Conn., Pa.]

Polyblastus subcrassus Provancher, Nat. Canad., 1879, 11: 262; (Faune, p. 420). [key, des.]

Polyblastus subcrassus Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]

Scopiorus subcrassus Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. ♂, ♀. [key, syn. (in part), des., Canada, Conn., Me., Mass., Mich., Mont., N.H., Pa.]

Tryphon subcrassus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass.]

Scopiorus subcrassus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298. [key]

Scopiorus subcrassus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Scopiorus subcrassus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

TENTHREDINIDAE: *a*, tenthredinid on *Prunus pennsylvanica*.

ERROMENUS Holmgren

Erromenus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 221.

Genotype: *Tryphon brunnicans* Gravenhorst.

Currania Viereck, Canad. Ent., 1924, 56: 300. New synonymy.

Genotype: *Currania mirabilis* Viereck.

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Erromenus bedardi Provancher

Erromenus Bedardi Provancher, Nat. Canad., 1879, 11: 266; (Faune, p. 424).

♀. [key, o.d., Douglastown, Que. (M.P.Q.)]

Tryphon bedardi Davis, Proc. Acad. Nat. Sci. Philadelphia, 1894, p. 190. [syn.]

Tryphon bedardi Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Erromenus bedardi Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host *a*
b, Canada]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

Erromenus crassus (Cresson)

Tryphon crassus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 107. ♂, ♀. [o.d.,
N.J. (A.N.S.P.), Mass.]

Tryphon tejonicus Cresson, Proc. Acad. Nat. Sci. Philadelphia, 1878, p. 372.

♂. [o.d., Ft. Tejon, Calif. (A.N.S.P.)]

Erromenus crassus Provancher, Nat. Canad., 1879, 11: 266; (Faune, p. 424).
[key, des.]

Erromenus crassus Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♂, ♀. [key,
syn., des., N.J., Mass., Cal., Canada]

Polyblastus leviculus Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂. [key,
o.d., Colo. (A.N.S.P.)] New synonymy.

Erromenus crassus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298.
[key]

Erromenus dimidiatus (Cresson)

Tryphon dimidiatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♂. [o.d.,
N.J. (A.N.S.P.), Pa.]

Tryphon atricoxus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 104. ♀?.
[o.d., (?Ill.) (type destroyed)]

Tryphon dimidiatus var. *atricoxus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3:
104. [syn.]

Erromenus dimidiatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 111.
♀. [des. Ont.]

Scopiorus hiatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂, ♀. [key,
o.d., Agricultural College, Mich. (A.N.S.P.)] New synonymy.

Erromenus dimidiatus Davis, Trans., Amer. Ent. Soc., 1897, 24: 260. ♂, ♀.
[key, syn., des., N.H., Mass., N.J., Pa., Mich., Ill., Colo., Mont., Ida.,
Wash.]

Erromenus dimidiatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298.
[key, Conn.]

Erromenus dimidiatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.
[Me.]

Erromenus dimidiatus Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928,
101: 948. [N.Y.]

Erromenus (!) *dimidiatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.
[Alta.]

Erromenus glabrosus Davis

Erromenus glabrosus Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♂, ♀.
[key, o.d., Southern Calif. (A.N.S.P.), Wyo.]

Erromenus marginatus Provancher

Erromenus marginatus Provancher, Nat. Canad., 1883, 14: 10; (Faune, p. 797).
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Erromenus marginatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♀. [key,
des.]

Erromenus marginatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.
[Me.]

Erromenus mirabilis (Viereck) new combination

Currana mirabilis Viereck, Canad. Ent., 1924, 56: 301. ♀. [o.d., fig., Aylmer,
Que. (C.N.C.)]

TRYPHON Fallén

Tryphon Fallén, Sp. Nov. Hymen. Disp. Lundae, 1813, p. 16.

Genotype: *Ichneumon rutilator* Linnaeus.

Otitochilus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.

Genotype: *Tryphon* (*Otitochilus*) *trochanteratus* Holmgren.

Symboëthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 204.
New synonymy.

Genotype: *Tryphon exclamationis* Gravenhorst.

Noëmon Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207. New
synonymy.

Genotype: *Noëmon palmaris* Davis.

Quadriagana Davis, Trans. Amer. Ent. Soc., 1897, 24: 266, 280. New syn-
onymy.

Genotype: *Tryphon americanus* Cresson.

Tryphon alaskensis Ashmead

Polyblastus glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 213. ♀. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Tryphon alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. ♀. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)]

Tryphon americanus Cresson

Tryphon americanus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 276. ♂. [o.d.,
Del. (A.N.S.P.), Canada West]

Tryphon affinis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 277. ♀. [o.d., Pa.
(type lost); N.J.]

Tryphon americanus Provancher, Addit. Faune Canada, Hymén., 1886, p. 102.
♂, ♀. [key, des., Ont.]

Tryphon americanus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Quadrigana americana Davis, Trans. Amer. Ent. Soc., 1898, 24: 281. [syn.,
des., Canada, Del., Ill., Mass., Mich., Mont., N.J., N.Y., Pa.]

Quadrigana americana Nason, Ent. News, 1905, 16: 170. [Ill.]

Quadrigana americana Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [des.]

Quadrigana americana Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

***Tryphon atripes* Davis**

Tryphon communis var. *atripes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282.

♂. ♀. [key, o.d., North Ill. (A.N.S.P.), Colo., Mont., N.H., Ore., S.D.]

Tryphon communis var. *atripes* Nason, Ent. News, 1905, 16: 170. [Ill.]

Tryphon communis var. *atripes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

***Tryphon californicus* Cresson**

Tryphon californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

Noemon californicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♂, ♀. [key, des.]

***Tryphon communis* var. *communis* Cresson**

Tryphon communis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♂, ♀. [o.d., Pa. (A.N.S.P.), Conn., Hudson Bay Territory, Mass., N.Y.] *

Tryphon communis Provancher, Nat. Canad., 1875, 7: 119. [key, Que.]

Tryphon communis Provancher, Nat. Canad., 1879, 11: 255; (Faune, p. 413). [key, des.]

Tryphon communis Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Tryphon communis Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon pediculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 102. ♂. [key, o.d., Bécancour, Que. (M.P.Q.)] New synonymy.

Tryphon communis Harrington, Canad. Ent. 1887 29: 45 B.C.

Tryphon pediculatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Tryphon communis Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. ♂, ♀. [key, syn. (in part), des., Calif., Canada, Colo., Conn., Ill., Kans., Me., Mass., Mich., Mont., N.H., N.J., N.Y., Nev., Pa., Wash.]

Tryphon seminiger Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. [syn. (in part)]

Tryphon seminiger Viereck, Bull. Conn., Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [key, des.]

Grypocentrus rufiterminalis Hall, Psyche, 1919, 26: 157. ♀. [o.d., Petersham, Mass. (Brues Coll.)] New synonymy.

Tryphon communis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Tryphon communis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Tryphon communis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Tryphon communis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

Tryphon communis var. **clypeatus** Provancher

Tryphon clypeatus (as *Tryphon clypealis* p. 309) Provancher, Nat. Canad., 1875, 7: 309, 311. ♂. [key, o.d., Que. (M.P.Q.)]

Tryphon clypeatus Provancher, Nat. Canad., 1879, 11: 254; (Faune, p. 412). ♂. [key, des.]

Tryphon clypeatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Tryphon communis var. *clypeatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♂. [key, des., Canada, Me., Mass., Mont., N.J.]

Tryphon communis var. *clypeatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂. [key, des.]

Tryphon communis var. *clypeatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

Tryphon davis new name

Tryphon nigrum Davis, Trans. Amer. Ent. Soc., 1898, 24: 281. ♂. [key, o.d., Gaylord, Mich. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.

Tryphon dionnei Provancher

Tryphon Dionnei Provancher, Nat. Canad., 1879, 11: 256; (Faune, p. 414). ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Dionnei Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon communis Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. [syn. (in part)]

Tryphon feria (Davis) new combination

Otilophorus innumerabilis var. *feria* Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Mich., N.H.]

Epachtes (!) *basilicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♂, ♀. [o.d., Colo. (A.N.S.P.), Calif., Mont., Ore.] New synonymy.

Otilophorus innumerabilis var. *feria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. [des.]

Epachthes basilicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

Otilophorus innumerabilis var. *feria* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

Otilophorus feria Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Tryphon innumerabilis (Davis) new combination

Otilophorus innumerabilis Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♂, ♀. [o.d., Wash. (A.N.S.P.), Colo., Ida., Mont., N.H., Nev., Ore., S.D.]

Otilophorus affinis Ashmead, Psyche, 1901, 9: 148. ♂. [o.d., Las Vegas Range between Pecos and Sapello rivers, N.M., 11000 ft. (U.S.N.M.)] New synonymy.

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Otlophorus innumerabilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. ♂, ♀. [des.]

Otlophorus innumerabilis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Tryphon kaniacensis (Hall) new combination

Polyblastus kaniacensis Hall, Psyche, 1919, 26: 156. ♀. [o.d., Kaniac Butte, Wash. (Brues Coll.)]

Tryphon lusorius Cresson

Tryphon lusorius Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♂. [o.d., Calif. (A.N.S.P.)]

Noemon lusorius Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [key, des.]

Tryphon palmaris (Davis) new combination

Noemon palmaris Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [key, o.d., southern Calif. (A.N.S.P.)]

Tryphon seminiger Cresson

Tryphon seminiger Cresson, Proc. Ent. Soc. Phila., 1864, 3: 278. ♀. [o.d., Ill. (A.N.S.P.)]

Tryphon seminiger Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Ill., Mass.]

Tryphon seminiger Provancher, Nat. Canad., 1875, 7: 119. [key, Que.]

Tryphon seminiger Provancher, Nat. Canad., 1879, 11: 255; (Faune, p. 413). ♂, ♀. [key, des.]

Tryphon seminiger Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon seminigra Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Metopius terminalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 438. ♂. [o.d., Mo. (U.S.N.M.)]

Tryphon terminalis Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key, des.]

Metopius terminalis Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Tryphon seminiger Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Tryphon seminiger Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. ♂, ♀. [key, syn. (in part), des., Calif., Colo., Ill., Mass., Mont., Nev., Ore., S.D., Wash.]

Ctenopelma terminalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Tryphon seminiger Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]

Tryphon seminiger Nason, Ent. News, 1905, 16: 170. [Ill.]

Tryphon seminiger Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [key, des.]

- Tryphon seminiger* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
Tryphon seminiger Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]
Tryphon seminiger Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
Tryphon seminiger Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

DYSPETES Foerster

- Dyspetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.
 Genotype: *Ichneumon praerogator* Linnaeus.
Dyspetus Thomson, Opusc. Ent., 1883, 9: 895, 899.
 Genotype: *Ichneumon praerogator* Linnaeus

Dyspetes rufus (Provancher)

- Exetastes rufus* Provancher, Nat. Canad., 1874, 6: 78. ♂, ♀. [o.d., 'Que. (M.P.Q.)]
Exetastes rufus Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 387). [key, des.]
Ceratostoma rufa Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794). [syn.]
Xenochesis (!) *rufus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]
Ceratogaster (!) *rufa* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]
Ceratogaster (!) *rufus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 142. [key, des.]
Dyspetes rufus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21. [syn., des.]

COSMOCONUS Foerster

- Cosmoconus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.
 Genotype: *Tryphon* (*Cosmoconus*) *elongator* Fabricius.

Cosmoconus arcticus (Brues) new combination

- Polyblastus arcticus* Brues, Canad. Arctic Exped. 1913-18, 1919, 3 G: 22. ♀. [o.d., Ketchikan, S. Alaska (C.N.C.)]

Cosmoconus canadensis (Provancher)

- Tryphon Canadensis* Provancher, Nat. Canad., 1875, 7: 117. ♀. [key, o.d., Que. (M.P.Q.)]
Tryphon Canadensis Provancher, Nat. Canad., 1875, 7: 311. [key]
Mesoleius Canadensis Provancher, Nat. Canad., 1879, 11: 259; (Faune, p. 417). ♂, ♀. [key, des.]
Mesoleius Canadensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]
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- Mesoleius canadensis* Slosson, Ent. News, 1894, 5: 4. [N.H.]
Cosmoconus canadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 280. ♂, ♀.
 [des., Canada, Colo., N.H., Wash.]
Cosmoconus canadensis Ashmead, Ann. Rpt. N.J. Bd. Agric., 1900, 27, suppl.:
 578. [N.J.]
Cosmoconus canadensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. [Alaska]
Cosmoconus canadensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
 294. ♂, ♀. [des.]
Cosmoconus canadensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
 [Me.]
Cosmoconus canadensis Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928,
 101: 947. [N.Y.]

CATOCENTRUS Cresson

- Catocentrus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110.
 Genotype: *Catocentrus philanthoides* Cresson.

Catocentrus philanthoides (Cresson)

- Tryphon philanthoides* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀.
 [o.d., Ill. (A.N.S.P.)]
Catocentrus philanthoides Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 90. ♂,
 ♀. [des.]
Catocentrus philanthoides Davis, Trans. Amer. Ent. Soc., 1897, 24: 205. ♀.
 [des.]

THIBETOIDES Davis

- Thibetoides* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 205.
 Genotype: *Thibetoides flosamoris* Davis.

Thibetoides flosamoris Davis

- Thibetoides flosamoris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 205. ♀?
 [o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Subfamily 2. TRYPHONINAE

Tribe 7. EXENTERINI

EXENTERUS Hartig

- Exenterus* Hartig, Wieg. Archiv. Naturg., 1837, 1: 156.
 Genotype: (*Tryphon marginatorius* Gravenhorst) = *amictorius* Panzer.
Acetononyx Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.
 Genotype: (*Exenterus marginatorius* Fabricius) = *amictorius* Panzer. In-
 cluded by Schmiedeknecht, Opusc. Ichneum., 1911, 5: 2303.

Exenterus affinis Rohwer

Exenterus affinis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. ♀. [o.d., key, host *c*, Me. (U.S.N.M.)]

Exenterus canadensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key] Misdetermined.

Exenterus diprioni Walley, Canad. Ent., 1933, 65: 259. [key, syn. (in part), des., host *c b*. Misdetermined in part.

?*Exenterus canadensis* "auct." Barclay, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 30. [biol., Ont.]

Exenterus affinis Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 5. ♂, ♀. [key, syn., des., host *d*, Me., ?Minn., N.C., Ont., Que.]

Exenterus affinis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

Exenterus affinis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

DIPRIONIDAE: *a*, *Neodiprion abietis*; *b*, ?*Neodiprion swainei*; *c*, *Neodiprion* sp. on *Pinus resinosa*; *d*, *Neodiprion* sp.

Exenterus amictorius (Panzer) new combination

Ichneumon marginatorius Fabricius, Ent. Syst., 1793, 2: 145. [o.d., "Habitat Kiliae" (location of type unknown)]. Preoccupied by Rossi, 1790.

Ichneumon amictorius Panzer, Faun. Insect. German., 1801, 7, pt. 80, pl. 14. [o.d., fig., Norimbergae, Germany (location of type unknown)]

Exenterus marginatorius Balch, Rpt. Div. Lands and Forests N.S. for 1935, 1936, p. 95. [host *a*, Canada]

Exenterus marginatorius Finlayson and Reeks, Canad. Ent., 1936, 68: 165, 166. [biol., host *a*, Europe, Que.]

Exenterus marginatorius Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 452. [fig. ♂ genitalia]

Exenterus adspersus Baird, Pulp and Paper Mag. Canada, 1938, 39: 297. [host *a*, Canada] Misdetermined.

Exenterus adspersus? Balch, Rpt. Div. Lands and Forests N.S. for 1938, 1939, p. 37. [N.S.] Misdetermined.

Exenterus marginatorius Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 8. ♂, ♀. [key, syn., des., host *a b*, Europe, North America]

DIPRIONIDAE: *a*, *Diprion hercyniae*; *b*, *Diprion similis*.

Exenterus canadensis Provancher

Exenterus Canadensis Provancher, Nat. Canad., 1883, 14: 9; (Faune, p. 796). ♂, ♀. [o.d., host ?*d*, Danville, Que. (type lost)]

Cteniscus canadensis Cresson, Synops. Hymen. N. Amer., 1887, p. 212. [syn.]

Picroscopus canadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♂, ♀. [key, des.]

Exenterus caudatus Dalla Torre, Cat. Hymen., 1901, 3: 337. [syn.] Lapsus for *Exenterus canadensis*.

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Exenterus nigrifrons Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 226. ♂ (not ♀).
[key, o.d., Washington, D.C. (U.S.N.M.)]

Exenterus canadensis Walley, Canad. Ent., 1933, 65: 258. [key, syn., des.,
host *c d*]

Exenterus nigrifrons Walley, Canad. Ent., 1933, 65: 260. [key]

Exenterus canadensis Peck, Canad. Jour. Res., 1937, D, 15: 246, 248, 249, 452.
[fig. ♂ genitalia]

Cteniscus canadensis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413.
[Me.]

Exenterus canadensis Pierson & Nash, Bien. Rpt. Me. Forest Comm., 1939, 22:
84. [host *a*, Me.]

Exenterus canadensis Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 10.
♂, ♀. [key, syn., des., host *b*, Me., Mass., Mich., Minn., Wis.]

DIPRIONIDAE: *a*, *Diprion hercyniae*; *b*, *Neodiprion banksianae*; *c*, *Neodiprion lecontei*;
d, *Neodiprion* sp.

***Exenterus claripennis* Thomson**

Exenterus claripennis Thomson, Opusc. Ent., 1883, 9: 887. ♂, ♀. [o.d.,
(?southern Sweden) (?Lund Mus.)]

Exenterus claripennis Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249,
452. [fig. ♂ genitalia]

Exenterus claripennis Balch, Rpt. N.S. Dept. Lands and Forests for 1940, 1941,
p. 37. [host *a*, N.B., Que.]

DIPRIONIDAE: *a*, *Diprion hercyniae*.

***Exenterus diprioni* Rohwer**

Exenterus diprioni Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 222. ♀. [o.d.,
host *b*, Tomahawk Lake, Wis. (U.S.N.M.)]

Exenterus diprioni Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key]

Exenterus diprioni Middleton, Jour. Agr. Res., 1921, 20: 757. [host *b*]

Exenterus diprioni Hutchings, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18:
115. [host *b*, eastern Canada]

Exenterus diprioni Walley, Canad. Ent., 1933, 65: 259. [key, syn. (in part),
des., host *c d*.] Misdetermined in part.

Exenterus diprioni Barclay, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 30. [biol., Ont.]

Exenterus diprioni Brimley, Insects of N.C., 1938, p. 412. [host *e*, N.C.]

Exenterus diprionis Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 4. ♂,
♀. [key, syn., des., host *a b*, La., N.C., Que., S.C., Wis.]

DIPRIONIDAE: *a*, *Neodiprion fabricii*?; *b*, *Neodiprion lecontei*; *c*, ?*Neodiprion swainei*;
d, *Neodiprion* sp.; *e*, sawfly larva on *Cedrus deodara*.

***Exenterus flavissimus* Cushman**

Exenterus flavissimus Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 12.
♂, ♀. [key, o.d., host *a*, Bound Brook, N.J. (U.S.N.M.)]

DIPRIONIDAE: *a*, *Neodiprion sertifer*.

Exenterus hullensis Provancher

Exenterus Hullensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 104.

♂, ♀. [o.d., Hull, Que. (C.N.C.)]

Cteniscus hullensis Cresson, Synops. Hymen. N. Amer., 1887, p. 212. [syn.]

Exenterus hullensis Davis, Canad. Ent., 1895, 27: 289. [syn.]

Picroscopus hullensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 230. ♂. [key, des.]

Exenterus hullensis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 226. [key]

Exenterus hullensis Walley, Canad. Ent., 1933, 65: 259. [key, des.]

Exenterus hullensis Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 7. ♂, ♀. [key, des., N.H., Que.]

Exenterus lophyri Viereck

Exenterus lophyri Viereck, Proc. U. S. Nat. Mus., 1911, 39: 404. ♀. [o.d., host *a*, Crawford, Neb. (U.S.N.M.)]

Exenterus lophyri Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 26-28. [fig., biol., host *a*, Neb.]

Exenterus lophyri Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key, correction of Viereck's host record *a*]

Exenterus lophyri Walley, Canad. Ent., 1933, 65: 259. [key]

Exenterus lophyri Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 5. ♀. [key, des.]

DIPRIONIDAE: *a*, *Zadiprion grandis*.

Exenterus pini Cushman

Exenterus pini Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 13. ♂, ♀. [key, o.d., host *a*, Halsey, Neb. (U.S.N.M.), Colo.]

TENTHREDINIDAE: *a*, tenthredinid.

Exenterus tsugae Cushman

Exenterus tsugae Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 13. ♂, ♀. [key, o.d., host *a*, Sweet Home, Ore. (U.S.N.M.), Mont.]

Exenterus tsugae Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

ACROTOMUS Holmgren

Acrotomus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 222.

Genotype: *Tryphon lucidulus* Gravenhorst.

Delotomus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 194.

Genotype: *Tryphon lucidulus* Gravenhorst.

Acrotomus rufus (Provancher)

Cteniscus rufus Provancher, Nat. Canad., 1876, 8: 318. ♀. [o.d., Que. (M.P.Q.)]

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- Cteniscus rufus* Provancher, Nat. Canad., 1879, 11: 265; (Faune, p. 423).
[key, des.]
Acrotomus rufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
Delotomus rufus Davis, Trans. Amer. Ent. Soc., 1897, 24: 227. ♀. [des.]

CTENISCUS Haliday

- Cteniscus* Haliday, in Curtis: Guide, Arrang. British Insects, Ed. 2, 1836, p. 98.
Genotype: *Tryphon* (*Cteniscus*) *curtisii* Haliday.

Cteniscus clypeatus Cresson

- Cteniscus clypeatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀. [o.d.,
Great Slave Lake, N.W. Terr. (A.N.S.P.)]
Tryphon affinis Provancher, Nat. Canad., 1875, 7: 120. [key, Que.] Mis-
determined.
Cteniscus clypeatus Provancher, Nat. Canad., 1879, 11: 264; (Faune, p. 422).
[key, syn., des.]
Cteniscus clypeatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Cteniscus clypeatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 228. ♂, ♀.
[key, des., Colo., Hudson Bay Terr., N.H., Ore.]
Exenterus clypeatus Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]
Cteniscus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. [key, syn.
(in part), Alaska]
Cteniscus clypeatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Cteniscus consors Cresson

- Cteniscus consors* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀. [o.d.,
Conn. (A.N.S.P.)]
Tryphon frontalis Provancher, Nat. Canad., 1875, 7: 120. [key, Que.] Mis-
determined.
Cteniscus consors Provancher, Nat. Canad., 1879, 11: 264; (Faune, p. 422).
[key, syn., des.]
Cteniscus consors Davis, Trans. Amer. Ent. Soc., 1897, 24: 228. ♀. [key, des.,
Conn., Nev., N.H., Ont., Tex.]
Exenterus consors Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]
Exenterus consors Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.
♀. [key, des.]

Cteniscus crassipes Provancher

- Cteniscus crassipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 109.
♀. [o.d., Toronto, Ont. (type lost)]
Cteniscus crassipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]
Exenterus crassipes Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]

Cteniscus flavicoxae Cresson

- Cteniscus flavicoxae* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 283. ♀. [o.d.,
Del. (A.N.S.P.)]

- Exenteron flavicoxus* (!) Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 105. ♂, ♀.
[des.]
- Cteniscus flavicoxae* Provancher, Addit. Faune Canada, Hymén., 1886, p. 109.
[des., Ont.]
- Cteniscus flavicoxae* Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♂, ♀.
[key, des., Canada, Del., Ill., Mass.]
- Exenterus flavicoxae* Dalla Torre, Cat. Hymen., 1901, 3: 339. [syn.]
- Exenterus flavicoxae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.
♂, ♀. [key, des.]
- Cteniscus flavicoxae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

***Cteniscus nigrofemoralis* Ashmead**

- Cteniscus nigrofemoralis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. ♂.
[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]
- Cteniscus nigrofemoralis* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lapland, 1909, 4: 286. [des.]

***Cteniscus orbitalis* Cresson**

- Cteniscus orbitalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 283. ♀ (not ♂).
[o.d., Pa. (A.N.S.P.)]
- Cteniscus orbitalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 110.
[des., Ont.]
- Cteniscus orbitalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♀. [key, des., Canada, Pa.]
- Exenterus orbitalis* Dalla Torre, Cat. Hymen., 1901, 3: 341. [syn.]
- Exenterus orbitalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.
♀. [key, des.]
- Cteniscus orbitalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

***Cteniscus ornatus* (Walsh) new combination**

- Exenteron ornatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 105. ♂. [o.d. (?Ill.) (type destroyed)]
- Tryphon rufigaster* Provancher, Addit. Faune Canada, Hymén., 1886, p. 104.
♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]
- Diaborus ornatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂. [key, des., Ill., N.H.]
- Mesoleptus rufigaster* Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♀. [key, des., Canada, Ga.]
- Mesoleptidea rufigastra* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♀. [key, des.]
- Diaborus ornatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Mesoleptidea rufigastra* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.
[Me.]
- Diaborus ornatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
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ERIDOLIUS Foerster

Eridolius Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Exenterus pygmaeus* Holmgren.

Eridolius alaskensis (Ashmead)

Microplectron alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 210. ♂.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Eridolius alaskensis Walley, Canad. Ent., 1937, 69: 131. [syn.]

DIABORUS Foerster

Diaborus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Cteniscus (Diaborus) sedulus* Woldstedt.

Diaborus citrifrons Ashmead

Diaborus citrifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♂. [o.d.,
Popof Is., Alaska (U.S.N.M.)]

Diaborus dorsalis (Cresson)

Cteniscus dorsalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 282. ♀ (not ♂).
[o.d., Ill. (A.N.S.P.)]

Diaborus dorsalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♀. [key, des.,
Ill.]

Diaborus ignipes Davis

Diaborus ignipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 231. ♂, ♀. [key,
o.d., N.H. (A.N.S.P.), Canada]

Diaborus maculiventris Ashmead

Diaborus maculiventris Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♂.
[o.d., White Mts., N.H. (U.S.N.M.)]

Diaborus maculiventris Slosson, Ent. News, 1896, 7: 264. [N.H.]

Diaborus maculiventris Davis, Trans. Amer. Ent. Soc., 1897, 24: 230. ♂, ♀.
[key, des., N.H.]

Diaborus mediatus (Cresson)

*Cteniscus mediatu*s Cresson, Proc. Ent. Soc. Phila., 1864, 3: 282. ♂. [o.d.,
Ill. (A.N.S.P.)]

*Cteniscus mediatu*s Provancher, Nat. Canad., 1879, 11: 263; (Faune, p. 421).
[key, des., Que.]

*Diaborus mediatu*s Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂, ♀. [key,
des., Canada, Ill., Mich.]

*Diaborus mediatu*s Hopping, Canad. Ent., 1937, 69: 248. [host a, B.C.]

TENTHREDINIDAE: a, *Hemichroa crocea*.

Diaborus nebraskensis Davis

Diaborus nebraskensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂. [key, o.d., Neb. (A.N.S.P.)]

Diaborus nigrocephalus Davis

Diaborus nigrocephalus Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♀. [key, o.d., Ga. (A.N.S.P.)]

Diaborus scalaris (Gravenhorst) *

Tryphon scalaris Gravenhorst, Ichneum. Europeae, 1829, 2: 159. ♂. [o.d., "in valle Gottingensis et circa Norimbergam," Germany (?Breslau Mus.)]

Cteniscus sexlituratus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Canada, Europe) Misdetermined.]

Diaborus scalaris Roman, Ent. Tidskr., 1932, 58: 8. [syn.]

Diaborus sexmaculatus Ashmead

Diaborus sexmaculatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Diaborus similis Davis

Diaborus similis Davis, Trans. Amer. Ent. Soc., 1897, 24: 231. ♀ (only). [key, o.d., Colo. (A.N.S.P.), Mont.]

Diaborus vitticollis (Cresson)

Cteniscus vitticollis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀ (not ♂). [o.d., Mass., (A.N.S.P.)]

Excavarus vitticollis Davis, Trans. Amer. Ent. Soc., 1897, 24: 233. ♀ (not ♂). [key, des., Mass.]

Diaborus vitticollis Walley, Canad. Ent., 1937, 69: 132. [syn.]

Diaborus vitticollis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SMICROPLECTRUS Thomson

Microplectron Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195. Preoccupied by Streubel, 1842, and by Dahlbom, 1857.

Genotype: *Exenterus jucundus* Holmgren.

Smicroplectrus Thomson, Opusc. Ent., 1883, 9: 888.

Genotype: *Exenterus jucundus* Holmgren.

Auderis Davis, Trans. Amer. Ent. Soc., 1897, 24: 227, 233.

Genotype: *Cteniscus albilineatus* Walsh.

Excavarus Davis, Trans. Amer. Ent. Soc., 1897, 24: 227, 233.

Genotype: *Cteniscus annulipes* Cresson.

Auderis Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [emendation of *Auderis* Davis]

* Occurrence in the Nearctic Region needs confirmation.

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Smicroplectrus albilineatus (Walsh)

- Cteniscus albilineatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 107. ♂? [o.d., (?Ill.) (type destroyed)]
- Anderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂, ♀. [key, syn., des., Canada, Colo., Ill., Mich. (in part)]
- Auderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Microplectron albilineatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]
- Smicroplectrus albilineatus* Walley, Canad. Ent., 1937, 69: 136. [key, syn., des., Ont.]

Smicroplectrus annulipes (Cresson)

- Cteniscus annulipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♀ (not ♂). [o.d., Mass. (A.N.S.P.)]
- Cteniscus annulipes* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]
- Excavarus annulipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 233. ♂. [key, des., Ill., Mass.]
- Excavarus annulipes* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Excavarus annulipes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]
- Smicroplectrus annulipes* Walley, Canad. Ent., 1937, 69: 132. [key, syn., Alta., Ont., Que.]
- Excavarus annulipes* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
- Cteniscus annulipes* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413. [Me.]

Smicroplectrus apicatus (Provancher)

- Cteniscus apicatus* Provancher, Nat. Canad., 1879, 11: 263; (Faune, p. 421). ♀ (not ♂). [key, o.d., Que. (M.P.Q.)]
- Anderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. [syn. (in part)]
- Smicroplectrus apicatus* Walley, Canad. Ent., 1937, 69: 135. [key, syn., des., host a, Ont.]
- TENTHREDINIDAE: a, ?*Nematus* sp.

Smicroplectrus californicus (Cresson)

- Cteniscus californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♂. [o.d., Calif. (A.N.S.P.)]
- Anderis californicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂. [key, des.]
- Auderis californicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Smicroplectrus californicus* Walley, Canad. Ent., 1937, 69: 131. [syn.]

Smicroplectrus disseptus Walley

- Smicroplectrus disseptus* Walley, Canad. Ent., 1933, 65: 256. ♂, ♀. [o.d., Agassiz, B.C. (C.N.C.)]
- Smicroplectrus disseptus* Walley, Canad. Ent., 1937, 69: 136. [key, Ont., Que.]

Smicroplectrus incompletus Walley

Smicroplectrus incompletus Walley, Canad. Ent., 1937, 69: 134. ♂, ♀. [key, o.d., Mt. Albert, Gaspé Co., Que. (C.N.C.), N.S.]

Smicroplectrus robustus Walley

Smicroplectrus robustus Walley, Canad. Ent., 1937, 69: 135. ♂, ♀. [key, o.d., host *a*, Kazubazua, Que. (C.N.C.)]

TENTHREDINIDAE: *a*, *Nematus* (*Pteronidea*) sp.

Smicroplectrus velox Walley

Smicroplectrus velox Walley, Canad. Ent., 1937, 69: 132. ♂, ♀. [key, o.d., host *a*, Bell's Corners, Carleton Co., Ont. (C.N.C.), B.C., Que.]

Smicroplectrus velox Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host *b*, Canada]

TENTHREDINIDAE: *a*, *Pachynematus ochreateus*; *b*, *Pikonema alaskensis*.

EXYSTON Schiödte

Exyston Schiödte, Guerin's Mag. Zool. Ins., 1839, 9: 12.

Genotype: *Ichneumon cinctulus* Gravenhorst.

Anecphysis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

New synonymy.

Genotype: (*Anecphysis curvineura* Davis) = *nigreo* Davis.

Exyston articulatus Davis

Exyston articulatus (as *articularis* in key) Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♂. [key, o.d., Mont. (A.N.S.P.), Colo., S.D.]

Exyston boreotis Davis

Exyston nigroscutum Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂. [key, o.d., Colo. (A.N.S.P.)] New synonymy.

Exyston boreotis Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂, ♀. [key, o.d., Hudson Bay Terr. (A.N.S.P.), Colo.]

Exyston contracta Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂. [key, o.d., Nev. (A.N.S.P.), Wash.] New synonymy.

Exyston contractus Dalla Torre, Cat. Hymen., 1901, 3: 333. [syn.]

Exyston clavatus (Cresson)

Cteniscus clavatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 284. ♂. [o.d., Del. (A.N.S.P.)]

Cteniscus abdominalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Exyston abdominalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

Exyston clavatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. [des., Conn., Del., Ill., Me., N.Y.]

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Mesoleptus maculosus Provancher, Nat. Canad., 1875, 7: 114. ♀. [key, o.d., Que. (M.P.Q.)]

Cteniscus clavatus Provancher, Nat. Canad., 1875, 7: 139. [key, des., Que.]

Mesoleptus maculosus Provancher, Nat. Canad., 1875, 7: 272. [key]

Exyston clavatus Provancher, Nat. Canad., 1879, 11: 249; (Faune, p. 407). [key, des.]

Exyston clavatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Exyston abdominalis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♂. [o.d., Beverly, Mass. (U.S.N.M.)]

Exyston clavatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂. [key, des., Conn., Del., Mass., Mich., N.J.]

Exyston abdominalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♀ (only). [key, des., Colo., Ill., Mass., Mich., Mont.; Nev., N.H.]

Exyston clavatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577. [N.J.]

Rhimphalea erythrogastra Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 296. ♀. [o.d., Branford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Exyston clavatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

Exyston abdominalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

Exyston clavatus Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Exyston abdominalis Brown, Canad. Ent., 1934, 66: 262. [Ont.]

***Exyston excelsus* (Cresson)**

Cteniscus excelsus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 262. ♀. [o.d., Colo. (A.N.S.P.)]

Exyston excelsus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

Exyston excelsus Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂, ♀. [key, des., Calif., Colo., Mont.]

***Exyston flavens* Davis**

Exyston flavens Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♀. [key, o.d., Tex. (A.N.S.P.)]

***Exyston humeralis* Davis**

Exyston humeralis Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♂. [key, o.d., Canada (A.N.S.P.)]

Exyston humeralis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

***Exyston marginatus* Provancher**

Exyston marginatum Provancher, Addit. Faune Canada, Hymén., 1886, p. 99. ♀. [o.d., Toronto, Ont. (type lost)]

Exyston marginatum Davis, Trans. Amer. Ent. Soc., 1897, 24: 236. ♀. [key, des.]

Exyston nigreo Davis

Anecphysis curvineura Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Ill.] New synonymy.

Exyston nigreo Davis, Trans. Amer. Ent. Soc., 1897, 24: 236. ♂. [key, o.d., Colo. (A.N.S.P.), Wash. Terr.]

Anecphysis curvineura Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. ♂, ♀. [des.]

Anecphysis curvineura Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

Anecphysis curvineura Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Exyston politus Davis

Exyston politus Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♀. [key, o.d., southern Calif. (A.N.S.P.)]

Exyston speciosus Davis

Exyston speciosus Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂. [key, o.d., Colo. (A.N.S.P.), Wash. Terr.]

Exyston variatus Provancher

Exyston variatus Provancher, Nat. Canad., 1877, 9: 15. ♀. [o.d., Que. (M.P.Q.)]

Exyston variatus Provancher, Nat. Canad., 1879, 11: 249; (Faune, p. 407). ♀. [key, o.d., Que.] Presumably the same type as of 1877.

Exyston abdominalis var. *rufinus* Davis, Trans. Amer. Ent. Soc. 1897, 24: 239. ♀ (only). [key, o.d., N.H. (A.N.S.P.), Mass. N.Y.] New synonymy.

Exyston variatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♂, ♀. [key, des., Canada, Colo., Mich., N.H., N.J., N.Y., S.D.]

Exyston variatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577. [N.J.]

Exyston variegatus (!) Dalla Torre, Cat. Hymen., 1901, 3: 333. [syn.]

Exyston abdominalis var. *rufinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

Exyston variatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

Exyston rufinus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Exyston venustus (Cresson)

Cteniscus venustus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 263. ♀. [o.d., Colo. (A.N.S.P.)]

Exyston venustus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

Exyston venustus Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♀. [key, des., Colo.]

Subfamily 3. CRYPTINAE

Tribe 1. HEMITELINI

BATHYTHRIX Foerster

Ischnurgops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Cryptus claviger* Taschenberg.

Steganops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Cryptus claviger* Taschenberg.

Bathythrix Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: *Bathythrix meteori* Howard

Panargyrops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Cryptus claviger* Taschenberg.

Chaeretymma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

Genotype: (*Cryptus ater* Brischke) = *claviger* Taschenberg. (designated by Cushman, Proc. U. S. Nat. Mus., 1920, 58: 259.)

Gausocentrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

New synonymy.

Genotype: *Gausocentrus gyrini* Ashmead.

Leptocryptus Thomson, Opusc. Ent., 1884, 10: 963.

Genotype: *Cryptus claviger* Taschenberg.

Chrysocryptus Cameron, Jour. Straits Brit. Roy. Asiatic Soc., 1902, 37: 58.

Genotype: *Chrysocryptus aureopilosa* Cameron.

Bathythrix areolaris (Cushman) new combination

Panargyrops areolaris Cushman, Jour. Wash. Acad. Sci., 1939, 29: 397. ♂, ♀.

[o.d., host a, Sweet Home, Ore. (U.S.N.M.)]

Panargyrops areolaris Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.

[biol., Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

Bathythrix claviger (Taschenberg) new combination

Cryptus claviger Taschenberg, Ztschr. f.d. Ges. Naturw., 1865, 25: 76. ♂.

[key, o.d., (Germany) (location of type unknown)]

Mesostenus sericeus Provancher, Nat. Canad., 1875, 7: 264, 267. ♂. [key,

o.d., Que. (M.P.Q.)] New synonymy.

Mesostenus sericeus Provancher, Nat. Canad., 1879, 11: 111; (Faune, p. 345).

♂, ♀. [key, des., fig.]

Cryptus sericeifrons Provancher, Nat. Canad., 1879, 11: 132, (Faune, p. 331).

♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)] New synonymy.

Mesoleptus sericeus Provancher, Nat. Canad., 1879, 11: 222, (Faune, p. 395).

♂, ♀. [key, des.]

Cryptus sericeifrons Provancher, Nat. Canad., 1882, 13: 361, (Faune, p. 783).

♂. [des.]

Cryptus sericeifrons Provancher, Addit. Faune Canada, Hymén., 1886, p. 61, 64.

[key]

Mesoleptus sericeus Provancher, Addit. Faune Canada, Hymén., 1886, p. 93.
[key]

Mesoleptus sericeus Provancher, Addit. Faune Canada, Hymén., 1888, p. 363.
[syn.]

Cryptus? sericeus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Bathythrix tibialis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. ♂, ♀.
[key, o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Panargyroptis tibialis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 261. [key, des.]

Panargyroptis sericeus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 261. [key, des.]

?*Panargyroptis texanus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262. ♀.
[key, o.d., Tex. (U.S.N.M.)] Preoccupied in *Bathythrix* by Ashmead, 1890.
New synonymy.

Panargyroptis pacificus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262. ♀.
[key, o.d., San Juan Is., Wash. (U.S.N.M.)] New synonymy.

?*Thysiotorus (Panargyroptis) texanus* Viereck, Canad. Ent., 1925, 57: 77. [key]

Thysiotorus (Panargyroptis) tibialis Viereck, Canad. Ent., 1925, 57: 77. [key]

Thysiotorus (Panargyroptis) sericeus Viereck, Canad. Ent., 1925, 57: 77. [key]

Thysiotorus (Panargyroptis) pacificus Viereck, Canad. Ent., 1925, 57: 77. [key]

Thysiotorus (Panargyroptis) tegularis Viereck, Canad. Ent., 1925, 57: 78. ♀.
[key, o.d., Agassiz, B.C. (C.N.C.)] New synonymy.

Thysiotorus (Panargyroptis) conjunctus Viereck, Canad. Ent., 1925, 57: 78. ♂,
♀. [key, o.d., Banff, Alta. (C.N.C.)] New synonymy.

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

***Bathythrix fragilis* (Viereck) new combination**

Plesiognathus (!) fragilis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 81. ♂.
[o.d., Beulah, N.M. (A.N.S.P.)]

***Bathythrix gyrini* (Ashmead) new combination**

Gausocentrus gyrini Ashmead, Canad. Ent., 1894, 26: 25. ♂. [o.d., host *a*,
Independence, Ia. (U.S.N.M.)]

(Hemitelini) *gyrini* Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

Gausocentrus gyrini Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290.
♂. [des., host *a*]

Hemiteles gyrinophagus Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 5.
[new name for *Gausocentrus gyrini* Ashmead.]

Hemiteles gyrinophagus Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79. [key]

GYRINIDAE: *a*, *Gyrinus* sp.

***Bathythrix insula* (DeGant) new combination**

Panargyroptis insula DeGant, Proc. U. S. Nat. Mus., 1933, 82: 2. ♂, ♀. [o.d.,
Parr Is., East Spence Lake, Ont. (U.S.N.M.)]

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Bathythrix latifrons (Cushman) new combination

Thysiotorus latifrons Cushman, Jour. Wash. Acad. Sci., 1939, 29: 396. ♂, ♀.
[o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

Thysiotorus latifrons Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.
[biol., Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

Bathythrix meteori Howard

Bathythrix meteori Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 31, 53. [o.d., host *a*, D.C. (U.S.N.M.)]

Bathythrix meteori Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]

Hemiteles (*Bathythrix*) *meteori* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]

Bathythrix meteori Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. [key]

BRACONIDAE: *a*, *Meteorus communis*.

Bathythrix peregrina (Cresson) new combination

Mesoleptus? peregrinus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 102. ♂, ♀.
[N.J. (A.N.S.P.), Conn.]

Mesoleptus peregrinus Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794).
♂. [des., Que.]

Mesoleptus peregrinus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.
[key]

(Cryptinae) *peregrinus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

Thysiotorus peregrinus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. [syn.,
lectotype selection]

Joppidium peregrinus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
330. [des.]

Panargyroptis thoracicus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 528. ♀.
[o.d., Lawrence, Kans. (U.S.N.M.)]

Panargyroptis peregrinus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262.
[key, syn.]

Thysiotorus (*Panargyroptis*) *peregrinus* Viereck, Canad. Ent., 1925, 57: 77.
[key]

Bathythrix pimplae Howard

Bathythrix pimplae Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5:
31, 54. [o.d., host *d*, D.C. (U.S.N.M.)]

Bathythrix pimplae Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host *b*,
D.C.]

Bathythrix pimplae Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 459. [host
c, biol.]

Hemiteles (*Bathythrix*) *pimplae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 340. [key]

Bathythrix pimplae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. [key]
Hemiteles pimplae Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79-82. [key, fig.,
 biol., host *a*, Mich.]

GYRINIDAE: *a*, *Gyrinus* sp. LYMANTRIIDAE: *b*, *Hemerocampa leucostigma*. ICHNEU-
 MONIDAE: *c*, *Gambrus extrematis*; *d*, ?*Iseropus coelebs*.

***Bathythrix subargentea* (Cresson) new combination**

Cryptus subargenteus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 302. ♀. [o.d.,
 Pa. (A.N.S.P.)]

Exolytus sericeifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d.,
 Wash. (A.N.S.P.)] Preoccupied in *Bathythrix* by Provancher, 1879. New
 synonymy.

Thysiotorus (Panargyrops) seamansi Viereck, Canad. Ent., 1925, 57: 77. ♀.
 [o.d., Waterton, Alta. (C.N.C.), Que.] New synonymy.

***Bathythrix texana* (Ashmead) new combination**

Stilpnus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 397. ♀. [o.d.,
 Tex. (U.S.N.M.)]

***Bathythrix triangularis* (Cresson) new combination**

Mesoleptus triangularis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂.
 [o.d., Ill. (A.N.S.P.)]

Mesostenus pallipes Provancher, Nat. Canad., 1875, 7: 264, 267. ♀. [key,
 o.d., Que. (M.P.Q.)]

Mesoleptus triangularis Provancher, Nat. Canad., 1879, 11: 225; (Faune, p. 398).
 [key, syn., des.]

Mesoleptus triangularis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.
 [key.]

(Cryptinae) *triangularis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

Thysiotorus? smithi Cushman, Proc. U. S. Nat. Mus., 1920, 58: 263. ♂, ♀.
 [o.d., Coleta, Ala. (U.S.N.M.)]

Thysiotorus smithi Viereck, Canad. Ent., 1925, 57: 77. [key.]

Thysiotorus smithi Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.,
 Que.]

Thysiotorus smithi Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Thysiotorus smithi Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]

Thysiotorus smithi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 928. [host *b*, N.Y.]

Thysiotorus triangularis Cushman, Proc. U. S. Nat. Mus., 1929, 74: 58. [syn.]

Thysiotorus triangularis Proper, Jour. Agr. Res., 1934, 48: 366. [host *a*.]

Thysiotorus triangularis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 400.
 [Me.]

Thysiotorus triangularis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 396. [syn.]

BRACONIDAE: *a*, *Meteorus versicolor*. ICHNEUMONIDAE: *b*, *Phobocampe geometrae*.

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ATOPOTROPHOS Cushman *

Atopognathus Cushman, Proc. Ent. Soc. Wash., 1919, 21: 116. Preoccupied by Bigot, 1881.

Genotype: *Atopognathus collaris* Cushman.

Atopotrophos Cushman, Proc. U. S. Nat. Mus., 1940, 88: 365. [new name for *Atopognathus* Cushman]

Atopotrophos collaris Cushman

Atopognathus collaris Cushman, Proc. Ent. Soc. Wash., 1919, 21: 117. ♂, ♀. [o.d., fig., Rosslyn, Va. (U.S.N.M.) Ala., D.C.]

Atopognathus collaris Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Atopotrophos collaris Cushman, Proc. U. S. Nat. Mus., 1940, 88: 365. [syn.]

AMYDRAULAX Cushman

Amydraulax Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4.

Genotype: *Amydraulax pulchra* Cushman.

Amydraulax echthroides new name

Cryptus brevicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 67. ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)] Preoccupied by Provancher, 1875.

Cryptus brevicornis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Amydraulax pulchra Cushman

Amydraulax pulchra Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 5.

♀. [o.d., host a, Giant Forest, Calif. (U.S.N.M.)]

CERAMBYCIDAE: a, *Callidium sequoiarum*.

MASTRUS Foerster

Aenoplex Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Aenoplex betulaecola* Ashmead) = *pilifrons* Provancher.

Mastrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Mastrus neodiprioni* Viereck) = *argeae* Viereck.

Isadelphus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: *Hemiteles inimicus* Gravenhorst.

Zoophthorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

New synonymy.

Genotype: (*Hemiteles (Zoophthorus) nigricaniformis* Viereck) = *gigas* Provancher.

Adiastola Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

New synonymy.

Genotype: *Adiastola americana* Howard.

* Since these pages were set in type, this genus has been removed to the Thymarini, after *Hytrophanes* on page 125.

Mastrus aciculatus (Provancher)

Hemiteles aciculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 60.

♂. [o.d., Ottawa, Ont. (M.P.Q.)]

Hemiteles ashmeadii Riley and Howard, Insect Life, 1890, 3: 153. [host, Calif.]

Host data erroneous according to Cushman, 1919. Nomen nudum.

Hypocryptus vancouverensis Harrington, Canad. Ent., 1894, 26: 248. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

Hemiteles aciculatus Davis, Canad. Ent., 1895, 27: 288. [des.]

Phygadeuon phryganidia Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 207. ♀. [o.d., host, Alameda, Calif. (U.S.N.M.)] New synonymy. Host data erroneous according to Cushman, 1919.

Hemichneumon vancouverensis Harrington, Canad. Ent., 1897, 29: 43. [syn.]

(*Hemitelini*) *vancouverensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

Aritranis vancouverensis Dalla Torre, Cat. Hymen., 1902, 3: 614. [syn.]

Aenoplex phryganideae (!) Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524.

♂, ♀. [des., host c, Calif.]

Aenoplex phryganideae (!) Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host a, Calif.]

Mastrus aciculatus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host b, Canada.]

GELECHIIDAE: a, *Anarsia lineatella*. GEOMETRIDAE: b, *Protoboarmia porcelaria*.
ICHNEUMONIDAE: c, *Itopectis behrensi*.

Mastrus albiscapus (Ashmead) new combination

Hemiteles albiscapus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♂.

[key, o.d., Tex. (U.S.N.M.)]

Mastrus americanus (Howard) new combination

Adiastola americana Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 54. ♂, ♀. [o.d., host a, D.C. (U.S.N.M.)]

Hemiteles columbiae Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 631. [new name for *Adiastola americana* Howard]

Hemiteles (*Adiastola*) *columbiae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]

ICHNEUMONIDAE; a, ?*Iseropus coelebs*.

Mastrus argeae (Viereck) new combination

Phygadeuon (*Aenoplex*) *argeae* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 405. ♀. [o.d., host b, Marietta, Ohio (U.S.N.M.)]

Phygadeuon (*Mastrus*) *neodiprioni* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 195. ♀. [o.d., host g, Crawford, Neb. (U.S.N.M.)] New synonymy.

Phygadeuon (*Mastrus*) *neodiprioni* Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 26, 29. [fig., host f, Neb.]

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- Aenoplex argeae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]
Mastrus neodiprioni Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
Mastrus neodiprioni Schedl, Canad. Ent., 1932, 64: 2. [host *a*, B.C.]
Mastrus neodiprioni Hopping, Sci. Agr., 1934, 15: 21, 22. [B.C.]
Mastrus neodiprioni Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host *c*, N.B.]
Mastrus neodiprioni Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16. [host *c e*, Me.]
Mastrus neodiprioni Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *d*, Ore.]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*. ARGIDAE: *b*, *Arge* sp. DIPRIONIDAE: *c*, *Diprion hercyniae*; *d*, *Neodiprion tsugae*; *e*, *Neodiprion* sp.; *f*, *Zadiprion grandis*; *g*, diprionid.

***Mastrus autumnalis* (Provancher) new combination**

- Atractodes autumnalis* Provancher, Nat. Canad., 1882, 13: 367; (Faune, p. 789).
 ♂, ♀. [key, o.d., Que. (M.P.Q.)]

***Mastrus carpocapsae* (Cushman) new combination**

- Aenoplex carpocapsae* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 509. ♀.
 [o.d., host *a*, Vienna, Va. (U.S.N.M.)]
Aenoplex carpocapsae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 461. ♂, ♀.
 [key, des., host *c*, Ga.]
Aenoplex carpocapsae Flanders, Pan-Pacific Ent., 1926, 2: 185. [host *a*, Calif.]
Aenoplex carpocapsae Flanders, Pan-Pacific Ent., 1926, 3: 44-45. [biol., host *a*, Calif.]
Aenoplex carpocapsae Quayle, Bull. Calif. Agr. Exp. Sta., 1926, 402: 18. [host *a*.]
Aenoplex carpocapsae Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, Pa.]
Aenoplex carpocapsae Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 33. [host *a*, Del.]
Aenoplex carpocapsae McClure, Ent. News, 1933, 44: 48-49. [biol.]
Aenoplex carpocapsae McClure, Ann. Ent. Soc. Amer., 1933, 26: 345-347. [biol.]
Aenoplex carpocapsae Haseman, Bull. Mo. Agr. Exp. Sta., 1936, 370: 52. [host *a*, Neb.]
Aenoplex carpocapsae McClure, Nature Notes, 1937, 4: 38-40. [fig., biol., host *a*.]
Aenoplex carpocapsae Wakeland, Bull. Ida. Agr. Exp. Sta., 1938, 225: 47. [liberation in Ida.]
Aenoplex carpocapsae Cooper, Ann. Rpt. Univ. Ky. Agr. Exp. Sta., 1938, 51: 15. [host *a*, Ky.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*; *c*, *Laspeyresia caryana*.

Mastrus caudatus (Provancher) new combination

Echthrus caudatus Provancher, Nat. Canad., 1875, 7: 313. ♀. [o.d., Que. (M.P.Q.)]

Hemiteles caudatus Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

Hemiteles caudatus Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 781). [key]

Aenoplex longicauda Walley, Canad. Ent., 1934, 66: 240. ♀. [o.d., Merivale, Ont. (C.N.C.)] New synonymy.

Mastrus compactus (Ashmead) new combination

Hemiteles compactus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 398. (♀). [o.d. in key, no locality given (U.S.N.M.)]

Aenoplex compactus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 525. ♀. [des., host a]

SATURNIIDAE: a, *Callosamia promethea*.

Mastrus cressoni (Riley) new combination

Hemiteles? cressoni Riley, Ann. Rpt. Insects Mo., 1869, 1: 177. ♂. [o.d., fig., host a, Mo. (U.S.N.M.)]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

Mastrus extensor (Cushman) new combination

Isadelphus extensor Cushman, Proc. U. S. Nat. Mus., 1919, 55: 527. ♀. [o.d., Palo Alto, Calif. (U.S.N.M.)]

Mastrus hydrophilus (Ashmead) new combination

Hemiteles hydrophilus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., surface of ocean, 94 miles from N.S., lat. 42° 50' N., long. 67° 29' W. (U.S.N.M.)]

Hemiteles hydrophilus Taylor, Ent. Amer., 1929, 10: 39. [Mass., N.H.]

Mastrus gigas (Provancher) new combination

Hemiteles gigas Provancher, Addit. Faune Canada, Hymén., 1886, p. 59. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

Platylabus gigas Davis, Canad. Ent., 1895, 27: 288. [syn.]

Platylabus giganticus Dalla Torre, Cat. Hymen., 1902, 3: 783. [new name for *Hemiteles gigas* Provancher]

Phygadeuon (Bachia?) tumidiformis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, Conn. (A.N.S.P.)] New synonymy.

Hemiteles (Zoophthorus) nigricaniformis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

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Mastrus pilifrons (Provancher) new combination

Orthocentrus pilifrons Provancher, Nat. Canad., 1879, 11: 279; (Faune, p. 434).

♂ (not ♀). [key, o.d., Que. (M.P.Q.)]

Orthocentrus pilifrons Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [des.]

Aenoplex betulaecola Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀.

[o.d., host *c*, Washington, D. C. (U.S.N.M.)] New synonymy.

Orthocentrus pilifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♀. [key, des.]

Acnoplrix (!) *betulaecola* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

Phygadeuon (*Aenoplex*) *betulaecola* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 406. [syn.]

Aenoplex plesiotypus Cushman, Proc. U. S. Nat. Mus., 1915, 48: 510. ♀. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

Aenoplex betulaecola Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]

Aenoplex plesiotypus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 460. [key, des., host *a*, Va., Wash.]

Aenoplex plesiotypus Newcomer and Whitcomb, Bull. U. S. Dept. Agr., 1924, 1235: 72. [host *a*, Wash.]

Aenoplex plesiotypus Flanders, Pan-Pacific Ent., 1926, 3: 44. [host *a*, Calif.]

Aenoplex betulaecola Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, N.J., Pa.]

Aenoplex betulaecola Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *b*, Ont.]

Aenoplex betulaecola Haeussler, Jour. Econ. Ent., 1930, 41: 376. [host *b*, N.J.]

Aenoplex betulaecola McConnell, Jour. Econ. Ent., 1932, 25: 368. [host *b*, Md.]

Aenoplex betulaecola Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [host *b*, N.J.]

Aenoplex betulaecola Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *b*, Mich.]

Aenoplex betulaecola McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *b*, Md.]

Aenoplex betulaecola Cushman, Jour. Wash. Acad. Sci., 1935, 25: 549. [syn.]

Aenoplex betulaecola Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *b*, Ont.]

Aenoplex betulaecola Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *b*, Ohio.]

Aenoplex betulaecola Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*. PHALENIDAE: *c*, *Acronicta betulae*.

Mastrus polychrosidis (Cushman) new combination

Aenoplex polychrosidis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524. ♂, ♀.

[o.d., host *a*, North East, Pa. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Polychrosis viteana*.

Mastrus smithii (Packard) new combination

Cryptus Smithii Packard, Proc. Boston Soc. Nat. Hist., 1865, 9: 346. ♂, ♀.
[o.d., host c, Norway, Me. (Harvard Univ.)]

Echthrus rubripes Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 803). ♀.
[o.d., Que. (M.P.Q.)] New synonymy.

Phaeogenes crassitelus Provancher, Addit. Faune Canada, Hymén., 1886, p. 41.
♀. [key, o.d., Hull, Que. (M.P.Q.)] New synonymy.

Hemiteles mucronatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 56.
♂. [o.d., Ottawa, Ont. (M.P.Q.)]

Echthrus rubripes Harrington, Canad. Ent., 1893, 25: 32. [key]

Hemiteles mucronatus Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 30: 104. [host f,
Que.]

Hemiteles crassitelus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Hemiteles mucronatus Davis, Canad. Ent., 1895, 27: 289. [syn.]

Hemiteles mucronatus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host a,
Que.]

Aenoplex sp. Newcomer, Bull. U. S. Dept. Agr., 1916, 265: 33. [host e, Wash.]

Aenoplex nigrosoma Cushman, Proc. U. S. Nat. Mus., 1917, 53: 460. ♂, ♀.
[key, o.d., host e, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Aenoplex smithi Walley, Canad. Ent., 1937, 69: 115. [syn.]

Aenoplex smithii Marsh, Ecology 1937, 18: 110. [biol., host g, Ill.]

Isadelphus smithii Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host
b, Conn.]

Aenoplex smithii Beaulne, Nat. Canad., 1939, 66: 95. [host d, Que.]

GELECHIIDAE: a, *Trichotaphe levisella*. OLETHREUTIDAE: b, *Grapholitha molesta*.
SATURNIIDAE: c, *Samia columbia*; d, *Telea polyphemus*. TENTHREDINIDAE: e, *Ametastegia glabrata*; f, *Macremphytus tarsatus*. ICHNEUMONIDAE: g, *Gambrus extrematis*.

Mastrus subspinosus (Provancher) new combination

Phygadeuon subspinosus Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune,
p. 779). ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon subspinosus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Phygadeuon subspinosus Provancher, Addit. Faune Canada, Hymén., 1886, p.
49. [key]

Phygadeuon subspinosus Nason, Ent. News, 1905, 16: 150. [Ill.]

Phygadeuon subspinosus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.
[Me.]

Mastrus virginienis (Ashmead) new combination

Hemiteles virginienis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀.
[key, o.d., Va. (U.S.N.M.)]

APOTEMNUS Cushman

Apotemnus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 359.

Genotype: *Apotemnus truncatus* Cushman.

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Apotemnus truncatus Cushman

Apotemnus truncatus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 360. ♀.
[o.d., fig., Corvallis, Ore. (U.S.N.M.)]

OTACUSTES Foerster

Otacustes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: (*Otacustes atriceps* Ashmead) = *crassus chrysopae* Ashmead.

Brachycephalus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

Preoccupied by Fitzinger, 1826, Hollard, 1857, and by Signoret, 1866.
New synonymy.

Genotype: *Hemiteles aestivalis* Gravenhorst (by present designation. This is one of four species included by Roman, Arkiv för Zoologi 1924 17 A, no. 4: 14.)

Brachycranium Ashmead, Canad. Ent., 1900, 32: 368. New name for *Brachycephalus* Foerster.

Chrysopoctonus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 518. New synonymy.

Genotype: (*Otacustes atriceps* Ashmead) = *crassus chrysopae* Ashmead.

Otacustes bicolor (Cushman) new combination

Chrysopoctonus bicolor Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1.
♂, ♀. [o.d., host *a*, Little River, Fla. (U.S.N.M.)]

CHRYSIDAE: *a*, *Chrysopa lateralis*.

Otacustes crassus chrysopae Ashmead

Otacustes chrysopae Ashmead, Insect Life, 1894, 7: 243. ♂. [o.d., host *a*, Utica, Miss. (U.S.N.M.)]

Otacustes atriceps Ashmead, Insect Life 1894, 7: 244. ♀. [o.d., host *a*, Utica, Miss. (U.S.N.M.)]

Orthizema atriceps McGregor, Canad. Ent., 1914, 46: 308. [host *b*, S.C.]

Chrysopoctonus atriceps Cushman, Proc. U. S. Nat. Mus., 1919, 55: 518. [syn.]

Chrysopoctonus chrysopae Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520.
[syn.]

Chrysopoctonus atriceps Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1.
[key]

Chrysopoctonus chrysopae Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1.
[key]

Chrysopoctonus atriceps Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Chrysopoctonus chrysopae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 548.
[syn., Fla.]

Chrysopoctonus chrysopae Brimley, Insects of N.C., 1938, p. 406. [N.C.]

CHRYSIDAE: *a*, *Chrysopa oculata*; *b*, *Chrysopa* sp.

Otacustes crassus crassus (Provancher) new combination

Hemiteles crassus Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783).

♂. [key, o.d., Que. (M.P.Q.)]

Hemiteles crassus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Hemiteles rileyi Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

Hemiteles hemerobii Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♂. [key, o.d., host a, Grand Ledge, Mich. (U.S.N.M.)]

Hemiteles hemerobiicola (!) Riley and Howard, Insect Life, 1890, 3: 153. [host a, Mich.]

Hemiteles euryptychia Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♀. [o.d., host g, St. Louis, Mo. (U.S.N.M.)]

Hemiteles crassus Nason, Ent. News, 1905, 16: 151. [Ill.]

Hemiteles (Otacustes) cressoniformis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♀). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Chrysopoctonus rileyi Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520. [syn., des., host f, Pa.]

Chrysopoctonus rileyi Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

Chrysopoctonus rileyi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

Chrysopoctonus rileyi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Chrysopoctonus rileyi Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

Chrysopoctonus rileyi Putman, Canad. Jour. Res., 1937, 15, sect. D: 34. [host b d e, parasite a, Ont.]

Chrysopoctonus rileyi Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 18. [host c, Canada]

Hemiteles crassus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

HEMEROBIIDAE: a, *Hemerobius* sp. CHRYSOPIDAE: b, *Chrysopa carnea*; c, *Chrysopa harrisii*; d, *Chrysopa nigricornis*; e, *Chrysopa rufilabris*; f, *Chrysopa* sp. OLETHREUTIDAE: g, *Epiblema scudderiana*.

Parasite: ICHNEUMONIDAE: a, ?*Gelis tenellus*.

Otacustes crassus patruelis (Cushman) new combination

Chrysopoctonus patruelis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520. ♂, ♀. [o.d., host b, Alhambra, Calif. (U.S.N.M.)]

Chrysopoctonus patruelis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

Chrysopoctonus patruelis Cole, Jour. Econ. Ent., 1933, 26: 862. [host a, Calif.]

CHRYSOPIDAE: a, *Chrysopa carnea*; b, *Chrysopa* sp.

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ETHELURGUS Foerster

Ethelurgus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

Genotype: (*Hemiteles* (*Ethelurgus*) *lonicerae* Viereck) = *syrphicola* Ashmead.
Zamicrotoridea Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340.

New synonymy.

Genotype: (*Hemiteles* (*Zamicrotoridea*) *orbiformis* Viereck) = *syrphicola* Ashmead.

Ethelurgus belfragi (Ashmead) new combination

Hemiteles belfragi Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 899. ♀. [key, o.d., Tex. (U.S.N.M.)]

Ethelurgus syrphicola (Ashmead) new combination

Hemiteles syrphicola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Hemiteles syrphicola Nason, Ent. News, 1905, 16: 151. [Ill.]

Hemiteles (*Ethelurgus*) *lonicerae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)], New synonymy.

Hemiteles (*Zamicrotoridea*) *orbiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♀). [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

Zamicrotoridea syrphicola Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]

Zamicrotoridea syrphicola Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99. [host *b*, Ill.]

Ethelurgus lonicerae Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

SYRPHIDAE: *a*, *Allograpta obliqua*; *b*, *Syrphus rectus*.

STIBOSCOPUS Foerster

Stiboscopus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Stiboscopus thoracicus* Ashmead.

Stiboscopus brooksi Brooks

Stiboscopus brooksi Brooks, Bull. W. Va. Agr. Exp. Sta., 1906, 100: 240. [biol., host *a*, W. Va.] Nomen nudum.

Stiboscopus brooksi Brooks, Bull. U.S. Dept. Agr., 1918, 730: 14. ♀. [o.d., biol., host *a*, (near French Creek, W. Va.) (location of type unknown; authentic material is in U.S.N.M.)]

CURCULIONIDAE: *a*, *Craponius inaequalis*.

ACROLYTA Foerster

Acrolyta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: (*Acrolyta empretiae* Ashmead) = *nigricapitata* Cook and Davis.

Rhadinocera Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: (*Hemiteles (Rhadinocera) algonquinus* Viereck) = *nigricapitata* Cook and Davis.

Acrolyta longicornis (Provancher) new combination

Hemiteles longicornis Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783).

♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles longicornis Slosson, Ent. News, 1897, 8: 237. [N.H.]

Acrolyta nigricapitata (Cook and Davis) new combination

Hemiteles laticinctus Riley and Howard, Insect Life, 1890, 3: 153. [host *b*, Conn.] Nomen nudum.

Ischnocerus nigricapitatus Cook and Davis, Bull. Mich. Agr. Exp. Sta., 1891, 73: 11. ♀. [o.d., fig., host? (Agricultural College, Mich.) (Mich. State College)]

Acrolyta empretiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♀. [o.d., host *a*, Washington, D.C. (U.S.N.M.)] New synonymy.

Hemiteles laticinctus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♂. [o.d., host *b*, New Haven, Conn. (U.S.N.M.)] New synonymy.

Hemiteles (Rhadinocera) algonquinus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Hemiteles laticinctus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 341. [key]

Acrolyta empretiae Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 15. [biol., host *c*.]

LIMACODIDAE: *a*, *Sibine stimulea*. PHALAENIDAE: *b*, *Cirphis unipuncta*. BRACONIDAE: *c*, *Apanteles melanoscelus*.

ISDROMAS Foerster

Isdromas Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

Genotype: (*Acrolyta aletiae* Ashmead) = *lycaenae* Howard.

Daictimorpha Viereck, Proc. U. S. Nat. Mus., 1912, 42: 636. New synonymy.

Genotype: *Daictimorpha peruviana* Viereck.

Isdromas alticola (Ashmead) new combination

Hemiteles alticola Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

Isdromas lycaenae (Howard) new combination

- Hemiteles lycaenae* Howard, in Scudder: Butterflies of Eastern U.S. and Canada, 1889, 3: 1880. ♀. [key, o.d., ?Coalburg, W. Va., host *e* (U.S.N.M.)]
- Hemiteles bucculatricis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., host *b*, Washington, D.C. (U.S.N.M.)] New synonymy.
- Hemiteles gracilariae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., host *c*, Kirkwood, Mo. (U.S.N.M.)] New synonymy.
- Orthopelma bedelliae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 415. ♂. [key, o.d., host *a*, St. Louis, ?Mo. (U.S.N.M.)] New synonymy.
- Acrolyta aletiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♂, ♀. [o.d., host *f*, St. Louis, Mo. and Selma, Ala. (U.S.N.M.)] New synonymy.
- Isdromas* (!) *aletiae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]
- Orthopelma bedelliae* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Hemiteles aletiae* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Sychnoporthus* (!) *tuckeri* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 315. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.
- Sychnoporthus* (!) *tuckeri* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 183. [des., Kans.]
- Sychnoporthus tuckeri* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Hemiteles lycaenae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]
- Acrolyta aletiae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]
- Isdromas aletiae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Isdromas bucculatricis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Hemiteles gracilariae* Gould, Bull. W. Va. Agr. Exp. Sta., 1931, 246: 9. [host *d*, W. Va.]
- Acrolyta aletiae* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
- Hemiteles gracilariae* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *d*, W. Va.]
- Acrolyta aletiae* Steiner and Worthley, Bull. Pa. State Col. Agr. Exp. Sta., 1941, 406: 12. [host *d*, Pa.]

LYONETIIDAE: a, *Bedellia somnulentella*; b, *Bucculatrix* sp. on *Quercus* sp. GRACILARIIDAE: c, *Gracilaria packardella*. COLEOPHORIDAE: d, *Coleophora malivorella*. LYCAENIDAE: e, *Lycaenopsis pseudargiolus*. BRACONIDAE: f, *Apanteles aletiae*.

Isdromas mesochori (Ashmead) new combination

- Acrolyta mesochori* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀. [o.d., host *a*, Washington, D. C. (U.S.N.M.)]
- Acrolyta mesochori* Fulton, Ann. Ent. Soc. Amer., 1940, 33: 233. [host *a*, N.C.]
- Acrolyta mesochori* Brimley, Suppl. Insects of N.C., 1942, p. 30. [host *b*, N.C.]
- BRACONIDAE: a, *Apanteles congregatus*; b, *Apanteles* sp.

Isdromas piceiventris (Harrington) new combination

Hemiteles piceiventris Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Isdromas washingtonensis Cushman

Stiboscopus washingtonensis Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

Hemiteles (Isdromas) washingtonensis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 14. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Isdromas washingtonensis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 401. [Me.]

IDEMUM Foerster

Idemum Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

Genotype: *Hemiteles (Idemum) crassiformis* Viereck.

Idemum crassiformis Viereck

Hemiteles (Idemum) crassiformis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, Colebrook, Conn. (Conn. Agr. Exp. Sta.)]

ALEGINA Foerster

Alegina Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Algina* (!) *alaskensis* Ashmead) = *solitaria* Ashmead.

Philonygmus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: (*Philonygmus* (!) *alaskensis* Ashmead) = *solitaria* Ashmead.

Barydotira Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 178.

New synonymy.

Genotype: *Barydotira hammari* Viereck.

Terpiphora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.

Genotype: *Alegina alaskensis* (Ashmead) = *solitaria* Ashmead.

Calliphhrurus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

New synonymy.

Genotype: *Calliphhrurus granulosus* Davis.

Alegina annulata (Ashmead) new combination

Hemiteles annulatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., host *b*, Los Angeles, Calif. (U.S.N.M.)]

Hemiteles annulatus Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Calif.]

Hemiteles annulatus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *c d*, Mass.]

TINEIDAE: a, tineid. TORTRICIDAE: b, tortricid. CHALCIDIDAE: c, ?*Dimmockia incongruus*; d, ?*Pleurotropis albitarsis*.

***Alegina apantelis* (Cushman) new combination**

Hemiteles apantelis Cushman, Jour. Agr. Res., 1927, 34: 453. ♂, ♀. [o.d., host *a*, Rye, N.H. (U.S.N.M.)]

Hemiteles apantelis Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 15. [biol., host *a*]

BRACONIDAE: a, *Apanteles melanoscelus*.

***Alegina columbiana* (Ashmead) new combination**

Hemiteles columbianus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

COLEOPHORIDAE: a, *Coleophora* sp.

***Alegina glacialis* (Ashmead) new combination**

Philonygus (!) *glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 189. ♂. [o.d., Lowe Inlet, Alaska (U.S.N.M.)]

***Alegina granulosa* (Davis) new combination**

Calliphyrurus granulatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂. [o.d., Ill. (A.N.S.P.)]

Calliphyrurus granulatus Nason, Ent. News, 1905, 16: 170. [Ill.]

***Alegina hammari* (Viereck) new combination**

Barydotira hammari Viereck, Proc. U. S. Nat. Mus., 1912, 43: 584. ♀. [o.d. North East, Pa. (U.S.N.M.)]

***Alegina pinifoliae* (Cushman) new combination**

Hemiteles pinifoliae Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 5. ♂, ♀. [o.d., host *a*, Lunenburg, Mass. (U.S.N.M.)]

GELECHIIDAE: a, *Exoteleia pinifoliella*.

***Alegina sessilis* (Provancher) new combination**

Hemiteles sessilis Provancher, Nat. Canad., 1874, 6: 334. ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles sessilis Provancher, Nat. Canad., 1879, 11: 124; (Faune, p. 327). [key, des.]

Hemiteles sessilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

Alegina solitaria (Ashmead) new combination

Stiboscopus solitarius Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂.
[key, o.d., Popof Is., Alaska (U.S.N.M.)]

Algina (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 188. ♂.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Philonygus (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 189. ♂.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Ilapinastes incertus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. ♂. [o.d.,
Popof Is., Alaska (U.S.N.M.)]

Terpiphora alaskensis Viereck, Bull. U. S. Nat. Mus., 1914, 83: 144. [syn.]

Bathymetis solitarius Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3.
[syn.]

Alegina testaceipes (Cushman) new combination

Adiostola testaceipes Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

Lymeon? *testaceipes* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

CYRTOBASIS Cushman

Cyrtobasis Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114, 115.

Genotype: (*Cyrtobasis rogae* Cushman) = *bicarinata* Riley.

Cyrtobasis bicarinata (Riley) new combination

Polysphincta bicarinata Riley, Ann. Rpt. Insects Mo., 1871, 3: 71. ♂. [o.d.,
host *a*, (U.S.N.M.)]

Pimpla bicarinata Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Ill.,
Mo.]

Cyrtobasis rogae Cushman, Proc. Ent. Soc. Wash., 1919, 21: 115. ♀. [o.d.,
host *b*, Flagstaff Mt., Boulder, Colo. (U.S.N.M.), Ill., Kans.)] New
synonymy.

PHALAEINIDAE: *a*, *Acronicta obliterata*. BRACONIDAE: *b*, *Rogas* sp.

DIAGLYPTIDEA Viereck

Diaglyptidea Viereck, Proc. U. S. Nat. Mus., 1913, 46: 371.

Genotype: *Diaglyptidea roepkei* Viereck.

Diaglyptidea lavoiei (Provancher) new combination

Phygadeuon Lavoiei Provancher, Nat. Canad., 1882, 13: 333, 353; (Faune, p.
776). ♀. [key, o.d., Douglastown, Que. (M.P.Q.)].

Hemiteles pallipennis Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).
♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon Lavoiei Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.
[key]

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- Hemiteles pallipennis* Provancher, Nat. Canad., 1887, 16: 46. [Que.]
Cryptus lavoiei Davis, Proc. Acad. Nat. Sci. Phila., 1894. p. 187. [syn.]
Hemiteles pallipennis Nason, Ent. News, 1905, 16: 151. [Ill.]
Hemiteles pallipennis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141.
 [Me.]

PHOBETES Foerster

- Allocota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.
 Preoccupied by Motschoulsky, 1860.
 Genotype: *Allocota confederatae* Ashmead.
Syneches Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.
 Preoccupied by Walker, 1852.
 Genotype: (*Hemiteles* ? *thyridopterygis* (!) Riley) = *thyridopteryx* Riley.
Diaglypta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.
 New synonymy.
 Genotype: *Diaglypta radiata* Ashmead.
Phobetes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.
 Genotype: (*Phobetes albinopennis* Davis) = *thyridopteryx* Riley.
Hymenosyneches Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. [new name for
Syneches Foerster.]

Phobetes confederatae (Ashmead) new combination

- Allocota confederatae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀.
 [o.d., host *a*, St. Louis, Mo. (U.S.N.M.)]
 PSYCHIDAE: *a*, *Eurukuttarus confederatus*.

Phobetes conspicuus (Cresson) new combination

- Hemiteles conspicuus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. ♀. [o.d.,
 Bosque Co., Tex. (U.S.N.M.)]
Allocota conspicuus Walley, Canad. Ent., 1941, 73: 165. [des.]

Phobetes sheppardi (Walley) new combination

- Allocota sheppardi* Walley, Canad. Ent., 1941, 73: 165. ♀. [o.d., host *a*,
 Shawbridge, Que. (C.N.C.), Ont.]
 PSYCHIDAE: *a*, *Hyaloscotes* sp.

Phobetes thyridopteryx (Riley) new combination

- Hemiteles?* *thyridopteryx* Riley, Ann. Rpt. Insects of Mo., 1869, 1: 150. ♂, ♀.
 [o.d., fig., host *a*, St. Louis, Mo. (type lost)]
Hemiteles thyridopterigis (!) Walsh, Canad. Ent., 1869, 2: 31. ♂, ♀. [des.]
Hemiteles? *thyridopterigis* (!) Riley, Suppl. Ann. Rpt. Insects Mo., 1881, p. 65.
 ♂, ♀. [copy of o.d., parasite *a*, D.C.]
Hemiteles thyridopterigis (!) Howard, Proc. Ent. Soc. Wash., 1886, 1: 28.
 [parasite *a*.]

- Hemiteles thyridopterigis* (!) Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Fla., Ga., Mo.]
- Hemiteles thyridopterigis* (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Hemiteles thyridopterigis* (!) Packard, Rpt. U. S. Dept. Agr., Ent. Comm., 1890, 5: 261. [biol., host *a*]
- Allocota thyridopterigis* (!) Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 17. [host *d*, D.C.]
- Phobetres albinopennis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♂. [o.d., S.D. (A.N.S.P.), Fla.]
- Syneches thyridopterigis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569 fig. [host *a*]
- Hemiteles thyridopterygis* (!) Howard, The Insect Book, 1902, plate 8, fig. 37.
- Allocota* (*Hemiteles*) *thyridopterigis* (!) Howard and Chittenden, Cir. U. S. Dept. Agr., 1908, 6: 97. [fig., biol., host *a*.]
- Allocota thyridopterigis* (!) Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *a*, Mo.]
- Phobetres albinopennis* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *a*]
- Hemiteles* (*Allocota*) *thyridopterygis* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key, host *a c d e*.]
- Allocota thyridopterigis* (!) Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]
- Allocota thyridopterigis* (!) Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, Pa.]
- Allocota thyridopterygis* (!) Baerg, Bull. Ark. Agr. Exp. Sta., 1928, 224: 24. [host *a*, Ark.]
- Allocota thyridopterigis* (!) Montgomery, Canad. Ent., 1933, 65: 186. [host *a*, Ind.]
- Allocota thyridopterigis* (!) Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *b*, N.Y.]
- Allocota thyridopterigis* (!) Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *a*, N.J.]
- Hemiteles* (*Allocota*) *thyridopterigis* (!) Balduf, Proc. Ent. Soc. Wash., 1937, 39: 177. [fig., biol., host *a*, Ill., Tex.]
- Allocota thyridopterigis* (!) Comstock, Bull. So. Calif. Acad. Sci., 1937, 36: 23. [host *a*, Calif.]
- Hemiteles thyridopterygis* (!) Brimley, Insects of N.C., 1938, p. 406. [host ?*a*, N.C.]

PSYCHIDAE: *a*, *Thyridopteryx ephemeriformis*. OLETHREUTIDAE: *b*, *Grapholitha molesta*. LYMANTRIDAE: *c*, *Hemerocampa leucostigma*. ICHNEUMONIDAE: *d*, *Iseropus coelebs*; *e*, *Itoplectis conquisitor*.

Parasite: CHALCIDIDAE: *a*, chalcidid.

HAPLASPIS new genus

Astomaspis of authors, not of the genotype. The first species included in *Astomaspis* Foerster 1868, is *Astomaspis metathoracica* Ashmead, Proc. U. S. Nat. Mus., 1904, 28: 140. This species belongs in *Syrites* Tosquinet, 1903, so *Syrites* falls as a synonym of *Astomaspis* (new synonymy). The new genus *Haplaspis* may be distinguished from other genera of Hemitelini by the following combination of characters: Apical half of clypeus strongly impressed, forming almost a right angle with the basal half of the clypeus and giving an appearance as if the apical half of the clypeus had been squarely cut off; basal part of mandible swollen; apical 0.7 of flagellum of female incrassate, spindle-shaped; areolet open; nervellus not broken; epipleura narrow, those of the second tergite of the female about 5.0 as long as broad and separated from the tergite by the usual complete suture; ovipositor sheath about 0.3 as long as the abdomen; ovipositor similar to that of *Gelis*; male genitalia enlarged, the squama about 0.3 or more as long as the abdomen and with its apical part more or less elongate.

Genotype: *Hemiteles mandibularis* Provancher.

Haplaspis maesticolor (Roman) new combination

Astomaspis maesticolor Roman, Skrifter om Svalbård og Ishavet, 1933, 53: 8. ♀. [o.d., East Greenland (?Stockholm Mus.).]

Haplaspis mandibularis (Provancher) new combination

Hemiteles mandibularis Provancher, Nat. Canad., 1875, 7: 315. ♀. [o.d., Que. (MPQ)]

Hemiteles mandibularis Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

Hemiteles mandibularis Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

Hemiteles mandibularis Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Mo.]

Hemiteles mandibularis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Stiboscopus mandibularis Slosson, Ent. News, 1896, 7: 264. [N.H.]

Hemiteles (Astomaspis) fulvipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [Conn.] Misdetermined

Astomaspis fulvipes Bird, Canad. Ent., 1927, 59: 95. [host *e*.] Misdetermined

Hemiteles fulvipes Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 14. [fig., biol., host *c*] Misdetermined

Astomaspis nanus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [biol., host *d*, N.Y.] Misdetermined

Astomaspis nanus Montgomery, Canad. Ent., 1933, 65: 186. [host *b*, Ind.] Misdetermined

GRACILARIIDAE: *a*, *Gracilaria stigmatella*. LYMANTRIIDAE: *b*, *Hemerocampa leucostigma*. BRACONIDAE: *c*, *Apanteles melanoscelus*; *d*, *Apanteles* sp.; *e*, *Microplitis gortynae*.

ANUROTROPUS Cushman

Anurotropus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 4.

Genotype: *Anurotropus minutus* Cushman.

Anurotropus minutus Cushman

Anurotropus minutus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 5.

♂, ♀. [o.d., fig., Agricultural College, Mich. (U.S.N.M.), Ill.]

GELIS Thunberg

Gelis Thunberg, Nov. Act. Soc. Sci. Upsala, 1827, 9: 199.

Genotype: *Gelis acarorum* Linnaeus.

Pezomachus Gravenhorst, Ichneum. Europeae, 1829, 2: 867.

Genotype: *Mutilla acarorum* Linnaeus.

Pezolochus Foerster, Wiegmann's Arch. Naturg., 1850, 16, bd. 1: 71.

Genotype: *Pezolochus rufipes* Foerster.

Hemimachus Ratzeburg, Ichneum. Forstins., 1852, 3: 157.

Genotype: (*Hemimachus fasciatus* Ratzeburg) = *melanocephalus* Schrank.

Chirotica Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.

New synonymy.

Genotype: *Chirotica inermis* Viereck.

Aschistus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

Genotype: (*Hemimachus variabilis* Ratzeburg) = *curisians* Fabricius.

Ilapinastes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

New synonymy.

Genotype: *Hemiteles (Ilapinastes) davidsonii* Ashmead.

Micromeson Strickland, Ann. Ent. Soc. Amer., 1912, 5: 114, 137. New synonymy.

Genotype: *Pezomachus (Micromeson) annulatus* Strickland.

Myrmicomorpha Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. New synonymy.

Genotype: *Pezomachus (Myrmicomorpha) perniciosus* Viereck.

Leptogelis Ceballos, Eos, 1925, 1: 155. New synonymy.

Genotype: *Gelis (Leptogelis) ariasi* Ceballos.

Gelis aciculatus (Strickland) new combination

Pezomachus foersteri Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 69. ♀. [key, o.d., Austin, Tex. (Brues Coll.)] Preoccupied by Bridgman, 1886.

Pezomachus aciculatus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus foersteri* Brues.]

Gelis alogus (Viereck) new combination

Pezomachus alogus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 321. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)]

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Gelis alternatus (Cresson) new combination

Pezomachus alternatus Cresson, Canad. Ent., 1872, 4: 64. ♀. [o.d., Ill. (A.N.S.P.)]

Pezomachus alternatus Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]

Gelis annulatus (Strickland) new combination

Pezomachus (Micromeson) annulatum Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. ♀. [key, o.d., Twining, Md. (Harvard Univ.)]

Gelis apantelis Cushman

Gelis apantelis Cushman, Jour. Agr. Res., 1927, 34: 454. ♂, ♀. [o.d., host *a*, Melrose Highlands, Mass. (U.S.N.M.)]

Gelis apantelis Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

Gelis apantelis Proper, Jour. Agr. Res., 1934, 48: 365. [host *b*.]

BRACONIDAE: *a*, *Apanteles melanoscelus*; *b*, *Apanteles solitarius*.

Gelis atratus (Ashmead) new combination

Pezolochus atratus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., host *a*, Colo. (U.S.N.M.)]

Pezomachus utahensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 118. ♀. [key, o.d., Park City, Utah (U.S.N.M.)] New synonymy.

Gelis utahensis Swain, Ent. News, 1937, 48: 246. [host *b*, Colo.]

BRACONIDAE: *a*, *Apanteles* sp. ICHNEUMONIDAE: *b*, *Hyposoter pilosulus*.

Gelis bicoloratus (Cresson) new combination

Mesoleptus bicoloratus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

(Hemitelini) *bicoloratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Gelis birkmani (Brues) new combination

Pezomachus Birkmani Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. ♀. [key, o.d., Fedor, Lee Co., Tex. (Brues Coll.)]

Pezomachus birkmani Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

Gelis brevistylus (Strickland) new combination

Pezomachus brevistylus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 119. ♀. [key, o.d., Philadelphia, Pa. (U.S.N.M.)]

Gelis bruesii (Strickland)

Pezomachus obesus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 71. ♀. [key, o.d., host *b*, Forest Hills, Boston, Mass. (Brues Coll.)] Preoccupied by Ashmead, 1902.

Pezomachus bruesii Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus obesus* Brues]

Gelis bruesi Champlain, Psyche, 1922, 29: 98. [host *a*, Pa.]

GNAPHOSIDAE: *a*, gnaphosid eggs. MISCELLANEOUS: *b*, spider eggs.

Gelis californicus (Ashmead) new combination

Pezomachus californicus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀.
[o.d., Los Angeles, Calif. (U.S.N.M.)]

Pezomachus californicus Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

Gelis canadensis (Cresson) new combination

Pezomachus canadensis Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ont.
(A.N.S.P.)]

Pezomachus quebecensis Provancher, Nat. Canad., 1875, 7: 330. ♀. [o.d.,
Que. (M.P.Q.)]

Pezomachus canadensis Provancher, Nat. Canad., 1879, 11: 114; (Faune, p.
347). ♀. [syn., des.]

Pezomachus canadensis Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Gelis cockerelli (Brues) new combination

Pezomachus cockerelli Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 68. ♀. [key,
o.d., Florissant, Colo. (Brues Coll.)]

Gelis coloradensis (Strickland) new combination

Pezomachus coloradensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 122. ♀.
[o.d., Colo. (U.S.N.M.)]

Gelis compactus (Cresson) new combination

Pezomachus compactus Cresson, Canad. Ent., 1872, 6: 63. ♀. [o.d., Ill.
(A.N.S.P.)]

Pterocormus compactus Cresson, Synops. Hymen. N. Amer., 1887, p. 199.
[syn.]

Ichneumon compactus Dalla Torre, Cat. Hymen., 1902, 3: 878. [syn.]

Gelis crassulus (Brues) new combination

Pezomachus crassulus Brues, Trans. Amer. Ent. Soc., 1903, 29: 123. ♀. [key,
o.d., Austin, Tex. (Brues Coll.)]

Pezomachus crassulus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

Gelis davidsonii (Ashmead) new combination

Hemiteles davidsonii Davidson, Ent. News, 1896, 7: 319. [host *a*, Calif.]

Hemiteles (Ilapinastes) davidsonii Ashmead, Ent. News, 1896, 7: 320. ♀.
[o.d., host *a*, 6000 ft. in Bear Valley, Calif. (U.S.N.M.)]

MISCELLANEOUS: *a*, spider eggs.

Gelis debilis (Provancher) new combination

Hemiteles debilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 59. ♂.
[o.d., Ottawa, Ont. (C.N.C.)]

Hemiteles debilis Davis, Canad. Ent., 1895, 27: 288. [syn.]

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Gelis delicatus (Cresson) new combination

Mesoleptus delicatus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. ♂. [o.d., Bosque Co., Tex. (type lost; authentic specimen in U.S.N.M.)]
(Hemitelini) *delicatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Gelis dispar (Strickland)

Pezomachus dispar Strickland, Ann. Ent. Soc. Amer., 1912, 5: 125. ♂, ♀.
[key, o.d., host *a*, Twining, Md. (U.S.N.M.)]
Gelis dispar Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930.
[N.Y.]

MISCELLANEOUS: *a*, spider eggs.

Gelis delumbis (Brues) new combination

Pezomachus delumbis Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 75. ♀. [key, o.d., Mount Constitution, San Juan Co., Wash. (Brues Coll.)]

Gelis drassi (Riley) new combination

Hemiteles drassi Riley, Proc. Ent. Soc. Wash., 1892, 2: 296. ♂. [o.d., host *a*, Columbus, Ohio (U.S.N.M.)]
Pezomachus homalommoides Viereck, Trans. Kans. Acad. Sci., 1905, 19: 294.
♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans.)] New synonymy.
Pezomachus testaceicoxus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 322. ♂.
[o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.
GNAPHOSIDAE: *a*, eggs of gnaphosid.

Gelis fenestralis (Brues) new combination

Pezomachus fenestralis Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 71. ♂. [key, o.d., New Brunswick, N.J. (type lost?)]

Gelis ferruginosus (Strickland)

Pezomachus insolens Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 74. ♀. [key, o.d., Mount Constitution, San Juan Co., Wash. (Brues Coll.)] Preoccupied by Foerster, 1850
Pezomachus ferruginosus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus insolens*, Brues.]
Gelis ferruginosus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]
Gelis ferruginosus Hopping, Sci. Agr., 1934, 15: 21, 22. [B.C.]
Gelis ferruginosus Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.
[biol., Ore.]

Gelis foveatus (Brues) new combination

Pezomachus foveatus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 73. ♂. [key, o.d., Framingham, Mass. (Brues Coll.)]

Gelis gelechia (Ashmead) new combination

Exolytus gelechia Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 397. ♂. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

GELECHIIDAE: *a*, "*Gelechia*" sp. on tuber of *Solanum tuberosum*.

Gelis gracillimus (Dalla Torre)

Pezomachus gracilis Cresson, Canad. Ent., 1872, 4: 63. ♀. [o.d., Pa. (A.N.S.P.).] Preoccupied by Foerster, 1850.

Pezomachus gracillimus Dalla Torre, Cat. Hymen., 1902, 3: 624. [new name for *Pezomachus gracilis* Cresson.]

Pezomachus gracilis Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Pezomachus angularis Brues, Trans. Amer. Ent. Soc., 1903, 29: 122. ♀. [key, o.d., Austin, Tex. (Brues Coll.)] New synonymy.

Pezomachus angularis Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

Pezomachus cressonii Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus gracilis*, Cresson] Preoccupied by Dalla Torre, 1902.

Gelis gracillimus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

Gelis habilis (Brues) new combination

Pezomachus habilis Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 72. ♀. [key, o.d., Woods Hole, Mass. (Brues Coll.)]

Gelis inermis (Viereck) new combination

Chirotica inermis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

Gelis insolitus (Howard) new combination

Pezomachus insolitus Howard, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1897, 5: 33, 54. ♂. [o.d., host *a*, D.C. (U.S.N.M.)]

Pezomachus insolitus Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. [key]

LYMANTRIIDAE: *a*, *Hemerocampa leucostigma*.

Gelis inutilis Cushman

Gelis inutilis Cushman, Jour. Agr. Res., 1927, 34: 455. ♂, ♀. [o.d., host *a*, Easton, Mass. (U.S.N.M.)]

Gelis inutilis Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

Gelis inutilis Proper, Jour. Agr. Res., 1934, 48: 362. [host *a*]

BRACONIDAE: *a*, *Apanteles melanoscelus*.

Gelis keenii (Harrington) new combination

Pezomachus Keenii Harrington, Canad. Ent., 1894, 26: 214. ♀. [o.d., Queen Charlotte Is., B.C. (C.N.C.)]

Pezomachus keenii Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

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Gelis kukakensis (Ashmead) new combination

Theroscopus kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 191. ♀.

[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

Pezomachus kukakensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. [syn.]

Gelis longipes (Strickland) new combination

Pezomachus longipes Strickland, Ann. Ent. Soc. Amer., 1912, 5: 123. ♀. [key, o.d., Stanford Univ., Calif. (Harvard Univ.)]

Gelis longistylus (Strickland) new combination

Pezomachus longistylus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 120. ♀. [key, o.d., no locality given (U.S.N.M.)]

Gelis lymensis (Strickland)

Pezomachus (Micromeson) lymense Strickland, Ann. Ent. Soc. Amer., 1912, 5: 138. ♀. [key, o.d., host *a*, Lyme, Conn. (Conn. Agr. Exp. Sta.)]

Gelis (Micromeson) lymensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

GNAPHOSIDAE: *a*, gnaphosid eggs.

Gelis macer (Cresson)

Pezomachus macer Cresson, Canad. Ent., 1872, 4: 64. ♂. [o.d., Pa. (A.N.S.P.)]

Pezomachus flavocinctus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀. [o.d., Tex. (U.S.N.M.)] New synonymy.

Pezomachus macer Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]

Pezomachus flavocinctus Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Pezomachus flavocinctus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 129. ♂, ♀. [key, des., fig., host *b*, Md., N.Y.]

Gelis macer Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

Gelis flavicinctus (!) Auten, Ann. Ent. Soc. Amer., 1925, 18: 243. [host *a*, Ohio.]

ARGIOPIDAE: *a*, *Araneus cornutus* nest. MISCELLANEOUS: *b*, spider eggs.

Gelis maculatus (Strickland) new combination

Pezomachus maculatus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 121. ♀. [key, o.d., fig., Point Loma, San Diego, Calif. (Harvard Univ.)]

Gelis manni (Strickland) new combination

Pezomachus manni Strickland, Ann. Ent. Soc. Amer., 1912, 5: 132. ♂. [key, o.d., Pacific Grove, Calif. (Brues Coll.)]

Gelis meabilis (Cresson) new combination

Pezomachus meabilis Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ill. (A.N.S.P.)]

Pezomachus dimidiatus Cresson, Canad. Ent., 1872 4: 63. ♀. [o.d., Mass. (A.N.S.P.), Ill.] New synonymy.

Pezomachus meabilis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]

Pezomachus dimidiatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

Pezomachus dimidiatus Slosson, Ent. News, 1902, 13: 320. [N.H.]

Pezomachus meabilis Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Pezomachus dimidiatus Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Pezomachus similis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 127. ♂, ♀. [key, o.d., host *a*, Twining, Md. (U.S.N.M.)] New synonymy.

Pezomachus nodosus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 128. ♀. [key, o.d., Lawrence, Kans. (U.S.N.M.)] New synonymy.

Gelis dimidiatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

Gelis meabilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Gelis dimidiatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Gelis similis Jones, Trans. Ill. State Acad. Sci., 1940, 33: 216. [biol., host *a*, Ill.]

AGELENIDAE: *a*, eggs of *Agelena naevia*.

***Gelis micariae* (Howard) new combination**

Pezomachus micariae Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. ♂, ♀. [o.d., host *a*, Salem, Mass. (U.S.N.M.)]

Hemiteles micarivora Riley, Proc. Ent. Soc. Wash., 1892, 2: 295. ♂. [o.d., host *a*, Washington, D.C. (U.S.N.M.)] New synonymy.

Pezomachus micariae Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 121. [key]

CLUBIONIDAE: *a*, eggs of *Micaria* sp.

***Gelis minimus* (Walsh)**

Pezomachus minimus Walsh, Trans. Ill. State Agr. Soc., 1861, 4: 463, 468. ♂, ♀., [o.d., fig., biol., host *a*, Rock Island Co. and Centralia, Ill. (U.S.N.M.)]

Pezomachus minimus Riley, Ann. Rpt. Insects of Mo., 1870, 2: 52. ♂, ♀. [des., fig., biol., host *a*, parasite *a*]

Pezomachus minimus Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., biol., host *a*.]

Pezomachus minimus Riley and Howard, Insect Life, 1890, 1: 154. [host *a*]

Pezomachus minimus Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Pezomachus minimus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

Gelis minimus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key, Conn.]

Gelis minimus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *b*, Tex.]

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Gelis minimus Vickery, Jour. Agr. Res., 1926, 32: 1113. [host *b*, Tex.]

PHALAENIDAE: *a*, *Cirphis unipuncta*. BRACONIDAE: *b*, *Apanteles militaris*.

Parasite: CHALCIDIDAE: *a*, *Spilochalcis albifrons*.

Gelis nigerrimus (Dalla Torre) new combination

Pezomachus niger Provancher, Addit. Faune Canada, Hymén., 1888, p. 362.

♀. [o.d., Los Angeles, Calif. (M.P.Q.).] Preoccupied by Brischke, 1878.

Pezomachus nigerrimus Dalla Torre, Cat. Hymen., 1902, 3: 630. [new name for *Pezomachus niger*, Provancher]

Gelis nigriventris (Brues) new combination

Pezomachus texanus var. *nigriventris* Brues, Trans. Amer. Ent. Soc., 1903, 29: 122. ♀. [key, o.d., Austin, Tex. (Brues Coll.)]

Gelis nigrofuscus (Strickland) new combination

Pezomachus nigrofuscus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 133. ♂. [key, o.d., Philadelphia, Pa. (U.S.N.M.)]

Gelis nocuus Cushman

Gelis nocuus Cushman, Jour. Agr. Res., 1927, 34: 455. ♂, ♀. [o.d., host *a*, Shrewsbury, Mass. (U.S.N.M.)]

Gelis nocuus Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

BRACONIDAE: *a*, *Apanteles melanoscelus*.

Gelis obesus (Ashmead) new combination

Theroscopus rufipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 191. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.).] Preoccupied in *Gelis* by Bridgman, 1883. New synonymy.

Pezomachus obesus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 193. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

Pezomachus obesus Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

Pezomachus obesus Roman, Naturw. Unters. Sarekgebirges Swedish-Lappland, 1909, 4: 230. [des., fig., Sweden]

Pezomachus auripes Strickland, Ann. Ent. Soc. Amer., 1912, 5: 134. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Pezomachus insularis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [des., new name for *Theroscopus rufipes*, Ashmead]

Gelis obscurus (Cresson)

Pezomachus obscurus Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., N.J. (A.N.S.P.)]

Pezolochus bucculatricis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 240. ♂, ♀. [o.d., host *b*, Washington, D.C. (U.S.N.M.)] New synonymy.

Pezomachus obscurus Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. [host *i*, Ohio]

- Pezomachus obscurus* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 37. [host *j*, Ohio]
- Theroscopus americanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♂. [o.d., host *b*, Arlington, Va. (U.S.N.M.)] Not *Stilpnus americanus* Cresson.
- Hemiteles ashmeadii* Dalla Torre, Cat. Hymen., 1902, 3: 643. [new name for *Theroscopus americanus*, Ashmead]
- Pezomachus obscurus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]
- Pezomachus maculicollis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. ♀. [o.d., (?Tex.) (Brues Coll.) ?Mass.] New synonymy.
- Pezomachus maculicollis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]
- Pezomachus americanus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. [syn.]
- Gelis maculicollis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]
- Gelis obscurus* Champlain, Psyche, 1922, 29: 99. [des., host *h*, Pa.]
- Gelis bucculatricis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Gelis bucculatricis* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [fig., biol., host *f*]
- Gelis bucculatricis* Friend, Bull. Conn. Agr. Exp. Sta., 1927, 288: 449, 450. [biol., host *a*, Conn.]
- Gelis bucculatricis* Cushman, Jour. Agr. Res., 1927, 34: 456. ♂, ♀. [syn., des., host *f*, Kans. Ohio]
- Gelis bucculatricis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
- Gelis bucculatricis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
- Gelis bucculatricis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Gelis bucculatricis* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *c*, Me.]
- Gelis bucculatricis* Proper, Jour. Agr. Res., 1934, 48: 361, 362, 365. [host *e, f, g*]
- Gelis bucculatricis* Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *d*, Me.]

LYONETIIDAE: *a*, *Bucculatrix canadensisella*; *b*, *Bucculatrix* sp. COLEOPHORIDAE: *c*, *Coleophora salmani*. TENTHREDINIDAE: *d*, *Phyllotoma nemorata*. BRACONIDAE: *e*, *Apanteles lacteicolor*; *f*, *Apanteles melanoscelus*; *g*, *Apanteles solitarius*. GNAPHOSIDAE: *h*, gnaphosid eggs. CLUBIONIDAE: *i*, eggs of *Micaria* sp. MISCELLANEOUS: *j*, spider eggs.

Gelis ottawaensis (Harrington)

- Pezomachus ottawaensis* Harrington, Canad. Ent., 1896, 28: 77. ♀. [o.d., host *a*, Ottawa, Ont. (C.N.C.)]
- ?*Hemiteles ottawaensis* Harrington, Canad. Ent., 1896, 28: 78. ♂. [o.d., host *a*, Ottawa, Ont. (C.N.C.)] New synonymy.
- Pezomachus ottawaensis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 121. [key]
- Pezomachus ottawaensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 134. ♂. [des., host *b*, Conn., Pa.]

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Gelis ottawaensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key, Conn.]

Gelis ottawaensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

MISCELLANEOUS: a, eggs of *Micaria* sp. or *Zelotes* sp.; b, spider eggs.

***Gelis pallidus* (Ashmead) new combination**

Hemiteles pallidus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [key, o.d., Tex. (type lost)]

***Gelis pennsylvanicus* (Strickland) new combination**

Pezomachus pennsylvanicus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 126. ♀. [key, o.d., N. Cumberland, Pa. (U.S.N.M.)]

***Gelis perniciosus* (Viereck) new combination**

Pezomachus (Myrmicomorpha) perniciosus Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. ♀. [o.d., host b, Brownsville, Tex. (U.S.N.M.)]

Myrmicomorpha perniciosus Vickery, Proc. U. S. Nat. Mus., 1925, 27: 139. [host a b c, Tex.]

BRACONIDAE: a, *Apanteles militaris*; b, *Meteorus laphygmae*; c, *Rogas laphygmae*.

***Gelis pettitii* (Cresson) new combination**

Pezomachus Pettitii Cresson, Canad. Ent., 1872, 4: 61. ♀. [o.d., Ont. (A.N.S.P.)]

Pezomachus sulcatus Provancher, Addit. Faune Canada Hymén., 1886, p. 77. ♀. [o.d., Ottawa, Ont. (C.N.C.)]

Stibeutes pettitii Riley and Howard, Insect Life, 1890, 3: 154. [host a, Va.]

Pezomachus Pettitii Davis, Canad. Ent., 1895, 27: 289. [syn., des.]

Pezomachus Pettitii Harrington, Canad. Ent., 1896, 28: 75. ♂, ♀. [syn., des., host b, Que.]

Pezomachus pettitii Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Pezomachus pettitii Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

LYONETHIDAE: a, *Bucculatrix* sp. MISCELLANEOUS: b, spider eggs.

***Gelis popofensis* (Ashmead) new combination**

Theroscopius popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 192. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Gelis prosthesimae* (Riley) new combination**

Hemiteles prosthesimae Riley, Proc. Ent. Soc. Wash., 1892, 2: 294. ♂. [o.d., host a, Salem, Mass. (U.S.N.M.)]

GNAPHOSIDAE: a, eggs of *Zelotes ater*.

***Gelis pumilus* (Foerster) new combination**

Pezomachus pumilus Foerster, Wiegmann's Arch. f. Naturg., 1850, 16, pt. 1: 131. ♀. [key, o.d., Aachen, Germany (?Vienna Mus.)]

Pezomachus alaskensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀.
[o.d., Nushagak River, Alaska (U.S.N.M.)]

Pezomachus nigrellus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 192. ♂, ♀.
[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Pezomachus nigrellus Brues, Trans. Amer. Ent. Soc., 1903, 29: 119, 120. [key]

Pezomachus alaskensis Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

Pezomachus pumilus Roman, Naturw. Unters. Sarekgebirges Swedish-Lappland, 1909, 4: 232. [syn., des., Sweden]

Pezomachus minutus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 119. ♀. [key,
o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Gelis nigrellus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328.
[key]

Gelis nigrellus Viereck, N. Amer. Fauna, 1923, no. 46: 232. [Alaska]

***Gelis robustus* (Strickland) new combination**

Pezomachus robustus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 120. ♀. [key,
o.d., Tucson, Ariz. (U.S.N.M.)]

***Gelis rotundiceps* (Cresson) new combination**

Mesoleptus? rotundiceps Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂.
[o.d., Bosque Co., Tex. (U.S.N.M.)]

Adelognathus rotundiceps Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♂.
[des.]

***Gelis spiraculus* (Strickland) new combination**

Pezomachus spiraculus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 124. ♀.
[key, o.d., fig., Round Knob, N.C. (U.S.N.M.)]

Gelis microplitidis Gahan, Proc. U. S. Nat. Mus., 1922, 61: 5. ♂, ♀. [o.d.,
host *a*, Rye, N.Y. (U.S.N.M.)] New synonymy.

Gelis microplitidis Bird, Canad. Ent., 1927, 59: 95. [host *a*.]

Gelis microplitidis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
930. [N.Y.]

BRACONIDAE: *a*, *Microplitis gortynae*.

***Gelis stanfordensis* (Strickland) new combination**

Pezomachus stanfordensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 123. ♀.
[key, o.d., Stanford, Calif. (Harvard Univ.)]

***Gelis stigmaterus* (Cresson) new combination**

Mesoleptus? stigmaterus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂.
[o.d., Bosque Co., Tex. (U.S.N.M.)]

(Hemitelini) *stigmaterus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

***Gelis stigmatus* (Ashmead) new combination**

Hemiteles stigmatus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♂. [o.d.,
West Cliff, Colo. (U.S.N.M.)]

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G. stricklandi new name

Cremnoides californicus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 420. ♀. [o.d., Los Angeles, Calif. (U.S.N.M.)] Not *Pezomachus californicus* Ashmead, 1890.

Hemiteles californicus Dalla Torre, Cat. Hymen., 1902, 3: 644. [syn.]

Pezomachus ashmeadii Strickland, Ann. Ent. Soc. Amer., 1912, 5: 135. [new name for *Cremnoides californicus* Ashmead] Not *Hemiteles ashmeadii* Dalla Torre, 1902.

Gelis tantillus (Cresson) new combination

Pezomachus gentilis Cresson, Canad. Ent., 1872, 4: 61. ♂, ♀. [o.d., host *b*, Pa. (A.N.S.P.)] Preoccupied by Foerster, 1850. New synonymy.

Pezomachus tantillus Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ill. (A.N.S.P.)]

Stibeutes gentilis Riley and Howard, Insect Life, 1890, 1: 154. [host *a*]

Pezomachus tantillus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

Pezomachus cressonii Dalla Torre, Cat. Hymen., 1902, 3: 621. [new name for *Pezomachus gentilis*, Cresson]

Pezomachus tantillus Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

Pezomachus gentilis Brues, Trans. Amer. Ent. Soc., 1903, 29: 119, 121. [key]

Gelis gentilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

PHALAENIDAE: *a*, *Cirphis unipuncta*. BRACONIDAE: *b*, ?*Microgaster* sp.

Gelis tenellus (Say) new combination

Cryptus tenellus Say, Boston Jour. Nat. Hist., 1836, 1: 233. (Leconte Ed., 2: 690.) ♀. [o.d., Pa. (type destroyed)]

Hemiteles tenellus Walsh, Canad. Ent., 1869, 2: 9, 12. [des.]

Hemiteles nemativorus Walsh, Canad. Ent., 1869, 2: 11. ♀. [o.d., Canada, Ill. (type lost)]

Hemiteles nemativorus var. *fuscatus* Walsh, Canad. Ent., 1869, 2: 12. ♀. [o.d., Ill. (type lost)] New synonymy.

Hemiteles utilis Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. ♀. o.d., host *r*, Conn. (Yale Univ.)]

Hemiteles utilis Cresson, Trans. Amer. Ent. Soc., 1870, 4: 161. [Tex.]

Hemiteles depressus Provancher, Nat. Canad., 1874, 6: 334. ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles utilis Provancher, Nat. Canad., 1879, 11: 125; (Faune, p. 328). [key, syn., des.]

Hemiteles utilis Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1879. [key, des., fig., host *p*]

Hemiteles thyridopterygis (!) Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [host *ff*, S.C.] Misdetermined.

Hemiteles melitaeae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 399. ♀. [key, o.d., host *o*, Alameda, Calif. (U.S.N.M.)]

- Hemiteles coleophorae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀.
[key, o.d., host *h*, Los Angeles, Calif. (U.S.N.M.)]
- Hemiteles variegatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀. [key,
o.d., host *d*, Alameda, Calif. (U.S.N.M.)]
- Hemiteles variegatus* Webster, Insect Life, 1890, 2: 382. [host *k*]
- Hemiteles periliti* Riley and Howard, Insect Life, 1890, 3: 153. [host *w*, D.C.]
Nomen nudum.
- Hemiteles utilis* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 43. [Ohio]
- Hemiteles utilis* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Otacustes orgyiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♀. [o.d.,
host *l*, St. Louis, Mo. (U.S.N.M.)]
- Otacustes periliti* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♀. [o.d.,
host *w*, Washington, D.C. (U.S.N.M.)]
- Hemiteles melitaeae* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
- Hemiteles utilis* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *ii*, *jj*,
Mass.]
- Hemiteles tenellus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.
[N.Y.]
- Hemiteles utilis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.
[host *m*, N.J.]
- Hemiteles utilis* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Otacustes nigro-ornatus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 244. ♀.
[o.d., San Mateo Co., Calif. (British Mus.)] New synonymy.
- Hemiteles periliti* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 459. [host
dd, *ee*]
- Hemiteles utilis* Howard and Fiske, Bull. U. S. Dept., Agr., Bur. Ent., 1911, 91:
138. [host ?*ff*]
- Hemiteles areator* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn.
(in part)]
- Hemiteles utilis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host *kk*, Que.]
- Hemiteles utilis* Britton, Rpt. Conn. Agr. Exp. Sta., 1916, 15: 122. [host *q*,
Conn.]
- Hemiteles utilis* Britton, Jour. Econ. Ent., 1916, 9: 282. [host *q*]
- Hemiteles* (*Orthizema*?) *areator tenellus* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 339. [key, Conn.]
- Hemiteles utilis* Britton and Zappe, Bull. Conn. Agr. Exp. Sta., 1918, 203: 283.
[host *q*, Conn.]
- Otacustes periliti* Felt, Jour. Econ. Ent., 1918, 11: 386. [host *cc*, N.Y.]
- otacustes nigro-ornatus* Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23.
[Calif.]
- Hemiteles tenellus* Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn.,
Hawaii.]

- Hemiteles tenellus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [syn.]
- Hemiteles areator tenellus* Smith, Mem. Cornell Univ. Agr. Exp. Sta., 1922, 58: 1339. [host *b*, N.Y.]
- Hemiteles tenellus* Smith, Mem. Cornell Univ. Agr. Exp. Sta., 1922, 58: 1339. [host *c*, Va.]
- Hemiteles tenellus* Dustan, Proc. Acadian Ent. Soc., 1923, 8: 73-78. [des., histology, biol., host *gg*]
- Orthizema areator tenellus* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host *f*, Que.]
- Hemiteles tenellus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 12-14. [fig., biol., host *t*]
- Hemiteles tenellus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
- Hemiteles tenellus* Bird, Canad. Ent., 1927, 59: 95. [host *bb*]
- Hemiteles tenellus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Hemiteles areator tenellus* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Hemiteles tenellus* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Hemiteles tenellus* Phipps, Bull. Me. Agr. Exp. Sta., 1928, 345: 47. [host *x*, Me.]
- Hemiteles tenellus* Salman, Ann. Ent. Soc. Amer., 1929, 22: 488. [host *g*, Me.]
- Hemiteles tenellus* Patterson, Tech. Bull. U. S. Dept., Agr., 1929, 137: 18. [biol., host *n*]
- Hemiteles tenellus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *ll*, N.J.]
- Hemiteles tenellus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Hemiteles tenellus* Gould, Bull. W. Va. Agr. Exp. Sta., 1931, 246: 9. [host *e*, W.Va.]
- Hemiteles tenellus* Proper, Jour. Agr. Res., 1934, 48: 361, 362, 365, 366, 367, 375. [biol., host *s t u z*]
- Hemiteles tenellus* Doner, Ann. Ent. Soc. Amer., 1934, 27: 441, 442. [biol., host *f aa*, Wis.]
- Hemiteles tenellus* Doner, Ann. Ent. Soc. Amer., 1936, 29: 228. [biol., host *f aa*, Wis.]
- Hemiteles tenellus* Gould, Jour. Econ. Ent., 1936, 29: 574. [host *e*, W.Va.]
- Hemiteles tenellus* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *j*, Ohio]
- Hemiteles tenellus* Swain, Ent. News, 1937, 48: 246. [host *v y ff*, Colo.]
- Hemiteles tenellus* Doner, Summ. Doctoral Dissert. Univ. Wis., 1937, 1: 28. [host *f*, Wis.]
- Hemiteles tenellus* Putman, Canad. Jour. Res., 1937, 15, sect. D: 34. [host *hh*, Ont.]

- Hemiteles tenellus* Marsh, Ecology, 1937, 18: 108. [host *ee*]
Hemiteles tenellus Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 73. [host *j*, Ont.]
Hemiteles tenellus Brimley, Insects of N.C., 1938, p. 406. [N.C.]
Hemiteles tenellus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
Hemiteles tenellus Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *e*, W.Va.]
Hemiteles tenellus Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., Ore.]
Hemiteles tenellus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5, 15, 18. [host *a i mm*, Canada]

CHRYSIDAE: a, *Chrysopa harrisii*; b, *Chrysopa nigricornis*; c, *Chrysopa rufilabris*.
 LYONETIDAE: d, *Bucculatrix* sp. on *Quercus agrifolia*. COLEOPHORIDAE: e, *Coleophora malivorella*; f, *Coleophora pruniella*; g, *Coleophora salmani*; h, *Coleophora* sp. on *Salix* sp.
 TORTRICIDAE: i, *Peronea variana*. OLETHREUTIDAE: j, *Grapholitha molesta*. PHYCITIDAE: k, *Mineola indiginella*. LYMANTRIIDAE: l, *Hemerocampa leucostigma*. CITHERONIDAE: m, *Anisota senatoria*. SATURNIIDAE: n, *Coloradia pandora*. NYMPHALIDAE: o, *Euphydryas chalcedon*. PAPILIONIDAE: p, ?*Papilio cresphontes*. DIPRIONIDAE: q, *Diprion similis*; r, *Neodiprion abietis*. BRACONIDAE: s, *Apanteles lacticolor*; t, *Apanteles melanoscclus*; u, *Apanteles solitarius*; v, *Meteorus acronyctae*; w, *Meteorus communis*?; x, *Meteorus datanae*; y, *Meteorus hyphantriae*; z, *Meteorus versicolor*; aa, *Microbracon pygmaeus*, bb, *Microplitis gortynae*. ICHNEUMONIDAE: cc, *Casitaria orgyiae*; dd, *Enicospilus americanus*; ee, *Gambrus extrematis*; ff, *Hyposoter fugitivus*; gg, *Hyposoter pilosulus*; hh, ?*Otiacustes crassus crassus*. CHALCIDIDAE: ii, ?*Dimmockia incongrua*; jj, ?*Pleurotropis albitarsis*. MISCELLANEOUS: kk, secondary on *Acronicta* sp.; ll, secondary on *Grapholitha molesta*; mm, secondary on *Neodiprion abietis*.

***Gelis terebrator* (Ratzeburg)**

- Pezomachus terebrator* Ratzeburg, Ichneum. d. Forstins., 1848, 2: 126. ♀. [o.d., host (Germany) (?Forstliche Hochschule, Eberswalde, Germany)]
Pezomachus terebrator Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 229. [host *a*, Greenland]
Gelis terebrator Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂. [des., Greenland]
Gelis terebrator Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [Greenland]
Gelis terebrator Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]

BRACONIDAE: a, *Microplitis coactus*.

***Gelis texanus* (Cresson) new combination**

- Pezomachus texanus* Cresson, Canad. Ent. 1872, 4: 64. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]
Pezomachus texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. [Tex.]
Pezomachus texanus Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 122. [key, des., Tex.]

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Pezomachus texanus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 76. [des.]

Pezomachus (*Micromeson*) *texanus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 116, 137. [key]

***Gelis thripites* (Taylor) ***

Pezomachus Thripites Taylor, Amer. Agr., 1860, 19: 300. ♀. [o.d., fig., host *a*, (no locality given) (location of type unknown)]

Gelis thripites Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

MISCELLANEOUS: *a*, thrips.

***Gelis uniformis* (Dalla Torre)**

Pezomachus unicolor Cresson, Canad. Ent., 1872, 4: 64. ♀. [o.d., Del. (A.N.S.P.) Ill., Mass.] Preoccupied by Foerster, 1850.

Pezomachus unicolor Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. [Mass.]

Pezomachus uniformis Dalla Torre, Cat. Hymen., 1902, 3: 635. [new name for *Pezomachus unicolor* Cresson]

Pezomachus unicolor Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

Gelis unicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

Gelis uniformis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [host *a*, N.Y.]

MISCELLANEOUS: *a*, spider eggs.

***Gelis urbanus* (Brues)**

Pezomachus urbanus Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 70. ♂. [key, o.d., New York, N.Y. (Brues Coll.)]

Gelis urbanus Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Gelis urbanus Friend, Bull. Conn. Agr. Exp. Sta., 1927, 288: 449, 450. [biol., host *a*, Conn.]

Gelis urbanus Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *f*]

Gelis urbanus Cushman, Jour. Agr. Res., 1927, 34: 457. ♂, ♀. [des., host *f*]

Gelis urbanus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Gelis urbanus Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *b*, Me.]

Gelis urbanus Proper, Jour. Agr. Res., 1934, 48: 362, 365, 366. [host *f g h*]

Gelis urbanus Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *e*, Me.]

Gelis urbanus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 401. [host *c d e*, Me.]

LYONETHIDAE: *a*, *Bucculatrix canadensisella*. COLEOPHORIDAE: *b*, *Coleophora salmani*. OLETHREUTIDAE: *c*, *Anchylopera* sp. DIPRIONIDAE: *d*, *Diprion hercyniae*. TENTHREDINIDAE: *e*, *Phyllotoma nemorata*. BRACONIDAE: *f*, *Apanteles melanoscelus*; *g*, *Apanteles solitarius*; *h*, *Meteorus versicolor*.

* This is evidently a *Gelis* but the species is unrecognizable and the host relation apparently fancied.

Gelis wheeleri (Brues) new combination

Pezomachus Wheeleri Brues, Trans. Amer. Ent. Soc., 1903, 29: 123. ♀. [key, o.d., Rockford, Ill. (Brues Coll.)]

Pezomachus Wheeleri Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 76. [des.]

Gelis yakutatensis (Ashmead) new combination

Atractodes yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♂. [o.d., Yakutat, Alaska (U.S.N.M.)]

ARACHNOLETER Cushman *

Arachnoleter Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 2.

Genotype: *Arachnoleter swezeyi* Cushman.

MYERSIA Viereck

Myersia Viereck, Proc. U. S. Nat. Mus., 1912, 43: 575.

Genotype: *Myersia laminata* Viereck.

Myersia bimaculata (Ashmead) new combination

Orthopelma bimaculatum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♂. [key, o.d., LaFayette, Ind. (U.S.N.M.)]

Orthopelma bimaculatum Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [Ind.]

Myersia grandis Cushman

Myersia grandis Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♀. [key, o.d., Kaslo, B.C. (U.S.N.M.)]

Myersia laminata Viereck

Myersia laminata Viereck, Proc. U. S. Nat. Mus., 1912, 43: 576. ♀. [o.d., Plummers Is., Md. (U.S.N.M.)]

Myersia pallida Cushman, Proc. U. S. Nat. Mus., 1919, 55: 522. ♀. [o.d., Fort George, Fla. (U.S.N.M.)] New synonymy.

Myersia laminata Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♂, ♀. [key, des., Ala., Md., N.Y., Va.]

Myersia johnsoni Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♀. [key, o.d., South West Harbor, Mt. Desert Is., Me. (U.S.N.M.)] New synonymy.

Myersia harringtoni Viereck, Canad. Ent., 1925, 57: 73. ♀. [o.d., Hull, Que. (C.N.C.)] New synonymy.

Myersia johnsoni Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]

Myersia laminata Brimley, Insects of N.C., 1938, p. 406. [N.C.]

Myersia nigra Viereck

Myersia nigra Viereck, Canad. Ent., 1925, 57: 73. ♂. [o.d., Keremeos, B.C. (C.N.C.)]

* An undescribed Nearctic species of this genus is in the Townes Collection.

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THAUMATOTYPIDEA Viereck

Thaumatotypidea Viereck, Proc. U. S. Nat. Mus., 1912, 43: 577.

Genotype: *Cremnodes tuberculatus* Ashmead.

Thaumatotypidea canadensis (Harrington) new combination

Cremnodes canadensis Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Queen Charlotte Is., B.C. (C.N.C.)]

Hemiteles canadensis Dalla Torre, Cat. Hymen., 1902, 3: 644. [syn.]

Thaumatotypus canadensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

Thaumatotypidea koebelei Cushman

**Thaumatotypidea koebelei* Cushman, Proc. Ent. Soc. Wash., 1921, 23: 112. ♂. [o.d., fig., Easton, Wash. (U.S.N.M.)]

Thaumatotypidea spinulata (Strickland)

Thaumatotypus spinulatus Strickland, Ann. Ent., Soc. Amer., 1912, 5: 116. ♀. [o.d., fig., New Haven, Conn. (Conn. Agr., Exp. Sta.)]

Thaumatotypidea spinulata Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 238. [des.]

Thaumatotypidea tuberculatus (Ashmead)

Cremnodes tuberculatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♀. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

Cremnodes alaskensis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♀. [o.d., Fort Wrangel, Alaska (U.S.N.M.)] New synonymy.

Hemiteles alaskensis Dalla Torre, Cat. Hymen., 1902, 3: 641. [syn.]

Hemiteles tuberculatus Dalla Torre, Cat. Hymen., 1902, 3: 668. [syn.]

Thaumatotypus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. [syn.]

Thaumatotypidea tuberculatus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 577. [syn.]

Thaumatotypus tuberculatus Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

Thaumatotypus alaskensis Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

HEMITELES Gravenhorst

Hemiteles Gravenhorst, Ichneum. Europeae, 1829, 2: 780.

Genotype: (*Hemiteles tristator* Gravenhorst) = *cingulator* Gravenhorst.

Ocyomorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180. New synonymy.

Genotype: *Hemiteles cingulator* Gravenhorst. (By present designation. Foerster in his manuscript included this species in *Ocyomorus*.)

Hemiteles bicornutus Ashmead

Hemiteles bicornutus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♂.
[o.d., St. Louis, Mo. (U.S.N.M.)]

Hemiteles cheboyganensis Butcher

Hemiteles cheboyganensis Butcher, Ann. Ent. Soc. Amer., 1933, 26: 77, 79–82.
[key, o.d., fig., biol., host *a*, Burt Lake, mouth of Maple River, Mich. (Univ. Kans.)]

GYRINIDAE: *a*, *Gyrinus* sp.

Hemiteles humeralis Provancher

Hemiteles humeralis Provancher, Nat. Canad., 1874, 6: 333. ♀. [key, o.d.,
Que. (M.P.Q.)]

Hemiteles humeralis Provancher, Nat. Canad., 1879, 11: 124; (Faune, p. 327).
[key, des.]

Stilpnus appendiculatus Provancher, Addit. Faune Canada, Hymen., 1886, p. 44.
♂. [o.d., Ottawa, Ont. (C.N.C.)]

Hemiteles humeralis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 398. [key]

Hemiteles humeralis Davis, Canad. Ent., 1895, 27: 289. [syn.]

Hemiteles humeralis Nason, Ent. News, 1905, 16: 151. [Ill.]

Hemiteles humeralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
929. [N.Y.]

Hemiteles humeralis Taylor, Ent. Amer., 1929, 10: 35, 70. [host *a*, "Stony
Brook."]

Hemiteles humeralis Walley, Canad. Ent., 1937, 69: 115. [syn.]

CURCULIONIDAE: *a*, *Pissodes strobi*.

Hemiteles hungerfordi Cushman

Hemiteles hungerfordi Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 4.
♂, ♀. [o.d., host *a*, Burt Lake, mouth of Maple River, Mich. (U.S.N.M.)]

Hemiteles hungerfordi Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79–82. [key,
fig., biol., host *a*, Mich.]

GYRINIDAE: *a*, *Gyrinus* sp.

Hemiteles mellicornis Ashmead

Hemiteles mellicornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀.
[key, o.d., Washington, D.C. (U.S.N.M.)]

Hemiteles mellicornis Brimley, Insects of N.C., 1938, p. 406. [N.C.]

Hemiteles nigricans Provancher

Hemiteles nigricans Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).

♂. [key, o.d., Que. (M.P.Q.)]

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GNYPETOMORPHA Foerster

Gnypetomorpha Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.

Genotype: *Hemiteles apertus* Thomson. (Designated by Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14.)

Trisacra Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: *Hemiteles apertus* Thomson. (By present designation. Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14, synonymized *Trisacra* with *Gnypetomorpha* without definitely including species.)

Microplex Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Aclastus rufipes* Ashmead.

Aclastus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Aclastus rufipes* Ashmead.

Gnypetomorpha flagellata (Davis) new combination

Proclitus flagellatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂. [o.d., Colo. (A.N.S.P.)]

Gnypetomorpha gracilis (Thomson)

Hemiteles gracilis Thomson, Opusc. Ent., 1884, 10: 989. ♂, ♀. [o.d., (?southern Sweden) (?Lund Mus.)]

Hemiteles septentrionalis Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 228. [Greenland] Misdetermined.

Aclastus gracilis Roman, Arkiv för Zoologi, 1916, 10, no. 22: 7. ♀. [des., Greenland]

Gnypetomorpha gracilis Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14. [syn.]

Gnypetomorpha karlukensis (Ashmead) new combination

Acrolyta karlukensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♀. [o.d., Karluk, Alaska (U.S.N.M.)]

Gnypetomorpha nigrita (Ashmead) new combination

Stibeutes nigrita Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 338. ♀. [o.d., Copper Is. (U.S.N.M.)]

Spinolia minuta Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Gnypetomorpha rufipes (Ashmead) new combination

Stiboscopus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 171. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Acrolyta aciculata Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♂. [o.d., Alaska (U.S.N.M.)] New synonymy.

Aclastus rufipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 187. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

HEDYLUS Foerster

Hedylus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Hedylus crassicornis* Ashmead.

Hedylus crassicornis Ashmead

Hedylus crassicornis Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 339.

♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

STERNOCRYPTUS Roman

Sternocryptus Roman, Arkiv för Zoologi, 1925, 17 A, no. 4: 12.

Genotype: *Cryptus bitinctus* Gravenhorst.

Sternocryptus bitinctus (Gravenhorst)

Cryptus bitinctus Gravenhorst, Ichneum. Europeae, 1829, 2: 576. ♀. [o.d., several localities in Germany (?Breslau Mus.)]

Sternocryptus bitinctus Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 12. [des., biol., Sweden]

Phygadeuon bitinctus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 400. [host *a*, Me.]

GELECHIIDAE: *a*, *Chrysopora* sp.

Sternocryptus limatus (Cresson) new combination

Phygadeuon limatus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♀. [o.d., Calif. (A.N.S.P.)]

Sternocryptus occidentalis (Harrington) new combination

Hemiteles occidentalis Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Sternocryptus subspinosus (Provancher) new combination

Hemiteles subspinosus Provancher, Nat. Canad., 1874, 6: 333. ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles subspinosus Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326). [key, des.]

Hemiteles subspinosus Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

ENDASYS FoersterSubgenus **Endasys** Foerster

Endasys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: *Stylocryptus analis* Thomson.

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Bachia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Preoccupied by Gray, 1845.

Genotype: *Phygadeuon* (*Bachia*) *testaceipes* Brischke.

Stylocryptus Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Phygadeuon brevis* Gravenhorst.

Bachiana Strand, Arch. Naturg., 1928, 92, A 8: 52. [new name for *Bachia* Foerster]

Endasys (Endasys) auriculiferus (Viereck) new combination

Phygadeuon (*Bachia*?) *auriculiferus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d., in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)]

Endasys (Endasys) bicolor (Lundbeck) new combination

Phygadeuon bicolor Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 227. ♀. [o.d., Frederikabaab (ny Herrnhut) Greenland (Copenhagen Mus.)]

Stylocryptus bicolor Roman, Arkiv för Zoologi, 1916, 10, no. 22: 4, 5. ♀. [des.]

Stylocryptus bicolor Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 525. [syn., Greenland]

Endasys (Endasys) maculatus (Provancher) new combination

Phygadeuon maculatus Provancher, Nat. Canad., 1875, 7: 178, 182. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon maculatus Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). ♀. [key, des.]

Phygadeuon maculatus Provancher, Nat. Canad., 1882, 13: 333, 353; (Faune, p. 775). ♂. [key, des.]

Phygadeuon maculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

Stylocryptus maculatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Stylocryptus maculatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

Endasys (Endasys) montanus (Cresson) new combination

Phygadeuon montanus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 309. ♀. [o.d., Colo. (A.N.S.P.)]

Phygadeuon montanus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

Phygadeuon monticola Dalla Torre, Cat. Hymen., 1902, 3: 689. [new name for *Phygadeuon montanus* Cresson]

Endasys (Endasys) mucronatus (Provancher) new combination

Phygadeuon mucronatus Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319). ♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)]

- Phygadeuon mucronatus* Provancher, Nat. Canad., 1882, 13: 334, 335, 353; (Faune, p. 775). ♂. [key, des.]
- Phygadeuon mucronatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46, 48, 49. [key]
- Phygadeuon mucronatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]
- Melophron abdominalis* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.
- Stylocryptus mucronatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 28. [syn.]
- Stylocryptus mucronatus* Gobeil, Nat. Canad., 1937, 64: 87. [host *a*, Que.]
- ARGIDAE: *a*, *Arge macleayi*.

Endasys (Endasys) paludicola (Brues) new combination

- Oxytorus paludicola* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 50. ♂. [o.d., Florissant, Colo. (Milwaukee Public Mus.)]

Endasys (Endasys) pubescens (Provancher) new combination

- Cryptus pumilus* Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, des., Que.] Misdetermined.
- Phygadeuon pubescens* Provancher, Nat. Canad., 1874, 6: 282. ♂. [key, o.d., Que. (M.P.Q.)]
- Phygadeuon dubius* Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (type lost)]
- Alomya pulchra* Provancher, Nat. Canad., 1875, 7: 120. ♂. [o.d., Que. (M.P.Q.)]
- Phygadeuon dubius* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Phygadeuon pubescens* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Phygadeuon pubescens* Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). ♀. [key, syn., des.]
- Phygadeuon pallicoxus* Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Phygadeuon pubescens* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 775). [key]
- Phygadeuon pallicoxus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]
- Phygadeuon pubescens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]
- Phygadeuon pallicoxus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]
- Phygadeuon pubescens* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Phygadeuon pubescens* Riley and Howard, Insect Life, 1890, 1: 153. [host *a*, D.C.]

Phygadeuon pallidicoxus Dalla Torre, Cat. Hymen., 1902, 3: 690. [emendation of *Phygadeuon pallicoxus* Provancher.]

Phygadeuon pubescens Johnson, Biol. Surv. Mt. Desert Region, 1: 142. [Me.]

Stylocryptus pubescens Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Stylocryptus pubescens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

Phygadeuon pallicoxus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

TENTHREDINIDAE: a, *Nematus tibialis*.

Endasys (Endasys) rotundiceps (Provancher) new combination

Phygadeuon rotundiceps Provancher, Nat. Canad., 1877, 9: 12. ♀. [o.d., Que. (M.P.Q.)]

Phygadeuon rotundiceps Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320). [key, des.]

Phygadeuon rotundiceps Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774). [key]

Phygadeuon rotundiceps Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

Phygadeuon rotundiceps Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Phygadeuon rotundiceps Nason, Ent. News, 1905, 16: 150. [Ill.]

Phygadeuon rotundiceps Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Endasys (Endasys) subclavatus (Say) new combination

?*Cryptus subclavatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.] Nomen nudum.

Cryptus subclavatus Say, Boston Jour. Nat. Hist., 1836, 1: 237. (Leconte Ed., 2: 693.) ♀. [o.d., Ind., Pa. (type destroyed)]

Phygadeuon vulgaris Cresson, Proc. Ent. Soc. Phila., 1864, 3: 310. ♀. [o.d., Ill. (A.N.S.P.) Del., Pa.]

Ichneumon inflatus Provancher, Nat. Canad., 1875, 7: 24, 83. ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon inflatus Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). ♂, ♀. [key, des.]

Phygadeuon inflatus Provancher, Nat. Canad., 1882, 13: 334, 336; (Faune, p. 773, 775). [key]

Phygadeuon vulgaris Provancher, Nat. Canad., 1882, 13: 334, 354; (Faune, p. 776.) [key, des., Que.]

Platylabus ruficornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 38. ♂, ♀. [o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Phygadeuon vulgaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

Phygadeuon inflatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 47, 50. [key]

- Phygadeuon vulgaris* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892. [Ia.]
- Phygadeuon vulgaris* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Phygadeuon inflatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Phygadeuon vulgaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]
- Platylabus ruficornis* Bradley, Canad. Ent., 1903, 34: 282. [key]
- Phygadeuon vulgaris* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Phygadeuon inflatus* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Medophron monticola* Slosson, Ent. News, 1909, 11: 319 [N.H.]. Nomen nudum.
- Phygadeuon (Bathymetis) patulus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 193. ♂. [o.d., host *e*, Crawford, Neb. (U.S.N.M.)] New synonymy.
- Phygadeuon (Bathymetis) patulus* Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 29. [host *d*, Neb.]
- Phygadeuon (Bachia?) brittoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d., in key, Stafford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Phygadeuon vulgaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, Conn.]
- Stylocryptus subclavatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn., des.]
- Stylocryptus subclavatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 28. [syn.]
- Stylocryptus vulgaris* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Phygadeuon inflatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]
- Stylocryptus subclavatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]
- Stylocryptus inflatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus subclavatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus vulgaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus subclavatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]
- Stylocryptus subclavatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Stylocryptus subclavatus* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host *a*, N.B.]
- Stylocryptus subclavatus* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
- Stylocryptus vulgaris* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
- Stylocryptus subclavatus* Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16, 17. [host *a c*, Me.]
- Stylocryptus subclavatus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

Stylocryptus subclavatus Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host b]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion tsugae*; c, *Neodiprion* sp.; d, *Zadiprion grandis*; e, diprionid.

Endasys (Endasys) texanus (Cresson) new combination

Phygadeuon texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

Phygadeuon texanus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]

Subgenus **Glyphicnemis** Foerster

Glyphicnemis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

Genotype: *Phygadeuon vagabundus* Gravenhorst.

Gnathocryptus Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Phygadeuon vagabundus* Gravenhorst.

Semiodes Harrington, Canad. Ent., 1894, 26: 247. New synonymy.

Genotype: (*Semiodes seminiger* Harrington) = *mandibularis californicus* Cresson.

Endasys (Glyphicnemis) mandibularis californicus (Cresson) new combination

Phygadeuon californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♂. [o.d., Calif. (A.N.S.P.)]

?*Phygadeuon crassipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♀. [des., B.C., Calif.] ?Misdetermined.

Semiodes seminiger Harrington, Canad. Ent., 1894, 26: 247. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

Phygadeuon? seminiger Harrington, Canad. Ent., 1897, 29: 43. [syn.]

Endasys (Glyphicnemis) mandibularis mandibularis (Cresson) new combination

Phygadeuon mandibularis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 311. ♀. [o.d., Ill. (A.N.S.P.)]

Ischnus ruficornis Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon ruficornis Provancher, Nat. Canad., 1875, 7: 179, 182. ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon crassipes Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon crassipes Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320). [key, des.]

Phygadeuon ruficornis Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). [key, des.]

Phygadeuon crassipes Provancher, Nat. Canad., 1879, 11: 268. [Que.]

- Phygadeuon ruficornis* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775).
[key]
- Phygadeuon crassipes* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Phygadeuon crassipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.
[key]
- Phygadeuon ruficornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50.
[key]
- Phygadeuon crassipes* Harrington, Canad. Ent., 1897, 29: 43. [des.]
- Phygadeuon ruficornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, Conn.]
- Phygadeuon crassipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]
- Glyphicnemis crassipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Phygadeuon ruficornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.
[Me.]
- Glyphicnemis crassipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

ERIPLANUS Foerster

- Chamerpes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.
New synonymy.
- Genotype: *Hemiteles hemipterus* Gravenhorst.
- Eriplanus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.
Genotype: (*Hemiteles (Eriplanus) metacomet* Viereck) = *micator* Gravenhorst.
- Phyrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.
Genotype: *Hemiteles hemipterus* Gravenhorst.
- Aenoplegimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. New synonymy.
- Genotype: (*Aenoplegimorpha phytonomi* Viereck) = *micator* Gravenhorst.

Eriplanus autumnalis (Provancher) new combination

- Phygadeuon autumnalis* Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune, p. 779). ♂. [key, o.d., Que. (M.P.Q.)]
- Phygadeuon autumnalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49. [key]

Eriplanus biannulatus (Gravenhorst) new combination

- Hemiteles biannulatus* Gravenhorst, Ichneum. Europeae, 1829, 2: 846. ♀.
[o.d., Vratistavia (?Breslau Mus.)]
- Philonygmus biannulatus* Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 16.
[syn., biol., France, Ill., Sweden]
- Hemiteles biannulatus* Mickel and Milliron, Ann. Ent. Soc. Amer., 1939, 42: 578-580. [des., biol., host *a*, Minn.]

LIMNEPHILIDAE: *a*, *Limnephilus indivisus*.

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Eriplanus cushmani (Butcher) new combination

Hemiteles cushmani Butcher, Ann. Ent. Soc. Amer., 1933, 26: 76, 79-82. ♂, ♀.
[key, o.d., fig., biol., host *a*, Burt Lake, mouth of Maple River, Mich.
(Univ. Kans.)]

GYRINIDAE: *a*, *Gyrinus* sp.

Eriplanus intermedius (Cresson) new combination

Phygadeuon intermedius Cresson, Trans. Amer. Ent. Soc., 1874, 4: 160. ♀.
[o.d., Bosque Co., Tex. (A.N.S.P.)]

Eriplanus micator (Gravenhorst) new combination

Ichneumon micator Gravenhorst, Vergl. Uebers. Zool. System, 1807. ♀. [o.d.,
(Europe) (?Breslau Mus.)]

Hemiteles ruficoxus Provancher, Nat. Canad., 1874, 6: 331. ♂, ♀. [key, o.d.,
Que. (M.P.Q.)] New synonymy.

Hemiteles ruficoxus Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 325).
[key, des.]

Phygadeuon cornutus Provancher, Nat. Canad., 1882, 13: 334, 356; (Faune, p.
778). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Hemiteles ruficoxus Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).
[key]

Phaeogenes recticornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 42.
♂, ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)] New synonymy.

Phygadeuon cornutus Provancher, Addit. Faune Canada, Hymén., 1886, p. 46.
[key]

Cryptus recticornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Hemiteles cornutus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186.

Aenoplegimorpha phytonomi Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147.
♂. [o.d., host *a*, Hoytsville, Ut. (U.S.N.M.)]

Aenoplegimorpha phytonomi Webster, Bull. U. S. Dept. Agr., Bur. Ent., 1912,
112: 34. [biol., host *a*, Ut.]

Hemiteles (Eriplanus) metacomet Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 340. (♀). [o.d., in key, West Haven, Conn. (Conn. Agr. Exp.
Sta.)] New synonymy.

Aenoplegimorpha micator Cushman, Proc. Ent. Soc. Wash., 1922, 24, no. 2: 64.
[syn.]

Hemiteles ruficoxus Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Hemiteles ruficoxus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141.
[Me.]

Hemiteles ruficoxus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
929. [N.Y.]

CURCULIONIDAE: *a*, *Hypera postica*.

Eriplanus nigriceps (Ashmead) new combination

Hemiteles nigriceps Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀.
[key, o.d., Martinez, Calif. (U.S.N.M.)]

Eriplanus pumilus (Cresson) new combination

Cryptus pumilus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 301. ♀. [o.d.,
Del. (A.N.S.P.)]

Phygadeuon pumilus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Eriplanus rubricornis (Ashmead) new combination

Hemiteles rubricornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♀.
[key, o.d., Va. (U.S.N.M.)]

?*Acnoplex* (!) *ruficornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
569. [N.J.]

Eriplanus scapiphorus (Provancher) new combination

Atractodes scapiphorus Provancher, Nat. Canad., 1874, 6: 151. ♂. [key,
o.d., Que. (M.P.Q.)]

Atractodes scapiphorus Provancher, Nat. Canad., 1879, 11: 207; (Faune, p.
379). ♂. [des.]

Atractodes scapiphorus Provancher, Nat. Canad., 1882, 13: 367; (Faune, p.
789). [key]

PHYGADEUON Gravenhorst

Phygadeuon Gravenhorst, Ichneum. Europeae, 1829, 2: 635.

Genotype: *Phygadeuon flavimanus* Gravenhorst.

Habromma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

New synonymy.

Genotype: (*Habromma nigrum* Ashmead) = *unicinctus* Ashmead.

Ischresta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

New synonymy.

Genotype: *Ischresta unicinctus* Ashmead.

Homelys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Preoccupied by Meyer, 1844.

Genotype: *Phygadeuon lapponicus* Thomson.

Plesignathus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Phygadeuon cephalotes* Gravenhorst.

Zaphleges Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: *Phygadeuon leucostigmus* Gravenhorst.

Ceratophygadeuon Viereck, Canad. Ent., 1924, 56: 110.

Genotype: *Ceratophygadeuon taeniatus* Viereck.

Phygadeuon aciculatus Provancher

Phygadeuon aciculatus Provancher, Nat. Canad., 1882, 12: 336, 356; (Faune,
p. 778). ♂. [key, o.d., Que. (M.P.Q.)]

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Phygadeuon aciculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 49.
[key]

Phygadeuon aciculatus Provancher, Nat. Canad., 1887, 16: 46. [Que.]

Phygadeuon aciculatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [des.]

***Phygadeuon albirictus* Cresson**

Phygadeuon albirictus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♂.
[o.d., Calif. (A.N.S.P.)]

***Phygadeuon americanus* (Cushman) new combination**

Epitomus americanus Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Plesignathus americanus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 23. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Plesignathus americanus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

***Phygadeuon brevacus* new name**

Platylabus aciculatus (as *acilatus* p. 37) Provancher, Addit. Faune Canada, Hymén., 1886, p. 36, 37. ♀: [key, o.d., Hull, Que. (M.P.Q.)] Preoccupied in *Phygadeuon* by Provancher, 1882.

Phygadeuon aciculatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Cryptus acilatus Dalla Torre, Cat. Hymen., 1902, 3: 559. [syn.]

***Phygadeuon canadensis* (Provancher) new combination**

Stilpnus Canadensis Provancher, Nat. Canad., 1875, 7: 112. ♂. [o.d., Que. (M.P.Q.)]

Stilpnus Canadensis Provancher, Nat. Canad., 1879, 11: 42; (Faune, p. 311). [key, des.]

Phygadeuon parallelus Provancher, Nat. Canad., 1882, 13: 335, 355; (Faune, p. 777). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon parallelus Provancher, Addit. Faune Canada, Hymén., 1886, p. 49. [key]

Phygadeuon parallelus Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Phygadeuon parallelus Nason, Ent. News, 1905, 16: 150. [Ill.]

***Phygadeuon capitalis* Provancher**

Phygadeuon capitalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 57. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Phygadeuon capitalis Davis, Canad. Ent., 1895, 27: 287. [des.]

***Phygadeuon caudatus* Provancher**

Cryptus caudatus Provancher, Nat. Canad., 1875, 7: 314. ♀. [o.d., Que. (M.P.Q.)]

Phygadeuon caudatus Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319).
[key, des.]

Phygadeuon caudatus Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 773).
[key]

Phygadeuon caudatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.
[key]

Bathymetis bicolor Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 182. ♂, ♀.
[key, o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.

Phygadeuon caudatus Nason, Ent. News, 1905, 16: 149. [Ill.]

***Phygadeuon cephalicus* Provancher**

Phygadeuon cephalicus Provancher, Nat. Canad., 1882, 13: 335, 354; (Faune, p. 777). ♂. [o.d., Que. (M.P.Q.)]

Phygadeuon cephalicus Provancher, Addit. Faune Canada, Hymén., 1886, p. 49.
[key]

Phygadeuon cephalicus Provancher, Nat. Canad., 1887, 16: 34. [Que.]

Phygadeuon cephalicus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

***Phygadeuon cincticornis* (Provancher) new combination**

Platylabus cincticornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 38.
♀. [key, o.d., Hull, Que. (M.P.Q.)]

Cryptus cincticornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

***Phygadeuon coloradensis* (Ashmead) new combination**

Nematomicros coloradensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 395. ♀.
[o.d., Custer Co., Colo. (U.S.N.M.)]

***Phygadeuon cylindraceus* Ruthe**

Phygadeuon cylindraceus Ruthe, Stettin Ent. Ztg., 1859, 20: 367. ♂, ♀.
[o.d., Iceland (location of type unknown)]

Phygadeuon sp. Lundbeck, Meddel. om Grønland, 1895, 19: 109. [Greenland]

Phygadeuon cylindraceus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 22. [Faeroe Is., Greenland]

Phygadeuon cylindraceus Nielsen, Meddel. om Grønland, 1907, 39: 385. [biol., host a b, Faeroe Is., Greenland, Iceland, Sweden]

Phygadeuon cylindraceus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 5. ♂, ♀.
[des., Greenland, Sweden]

Phygadeuon cylindraceus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 525. [syn., Greenland]

Phygadeuon cylindraceus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 539.
[Greenland]

ANTHOMYIIDAE: a, ?*Fucellia* sp. MISCELLANEOUS: b, dipterous pupa.

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Phygadeuon epochrae Viereck

Phygadeuon (Plesignathus) epochrae Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. ♀. [o.d., host *a*, Bozeman, Mont. (U.S.N.M.)]

TEPHRITIDAE: *a*, *Epochra canadensis*.

Phygadeuon exiguus (Cresson) new combination

Ichneumon exiguus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 182. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon exiguus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

Phaeogenes exiguus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. ♀. [des.]

Phaeogenes exiguus Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Colo., Mo.]

Phaeogenes exiguus Slosson, Ent. News, 1896, 7: 264. [N.H.]

Phaeogenes exiguus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

TORTRICIDAE: *a*, *Argyrotaenia velutinana*.

Phygadeuon hudsonicus (Cresson) new combination

Stilpnus hudsonicus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂. [o.d., Hudson Bay Territory (A.N.S.P.)]

Phygadeuon laticinctus Ashmead

Phygadeuon laticinctus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. [West Cliff, Colo. (U.S.N.M.)]

Phygadeuon lechevallieri Provancher

Phygadeuon Lechevallieri Provancher, Nat. Canad., 1882, 13: 334, 356; (Faune, p. 778). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon Lechevallieri (!) Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

Phygadeuon lechevallieri Slosson, Ent. News, 1896, 7: 264. [N.H.]

Phygadeuon lucens Provancher

Phygadeuon lucens Provancher, Nat. Canad., 1874, 6: 281. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon lucens Provancher, Nat. Canad., 1875, 7: 183. [key.]

Phygadeuon lucens Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). [key, des.]

Phygadeuon lucens Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

Phygadeuon lucens Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

Phygadeuon lucens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]

Phygadeuon manitouensis (Viereck) new combination

Hemiteles (Diaglypta?) manitouensis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 290. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]

Phygadeuon melanocerus Viereck

Phygadeuon (Plesignathus) melanocerus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, North Haven, Conn. (Conn. Agr. Exp. Sta.)]

Phygadeuon mignaulti Provancher

Phygadeuon Mignaulti Provancher, Nat. Canad., 1882, 13: 334, 355; (Faune, p. 777). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon Mignaulti Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

Phygadeuon mitralis (Provancher)

Platylabus mitralis Provancher, Addit. Faune Canada, Hymén., 1886, p. 37. ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)]

Phygadeuon mitralis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]

Phygadeuon montivagus (Ashmead) new combination

Phaeogenes montivagus Ashmead, Proc. U. S. Nat. Mus., 1890, 13: 394. ♂. [o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

Phygadeuon niger (Ashmead) new combination

Bachia nigra Ashmead, Fur Seals and Fur Seal Is., 1899, 4: 340. ♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

Bathymetis nigricornis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 177. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Bathymetis imitator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 177. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Bathymetis simulans Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 178. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Bathymetis rubrocincta Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 178. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]

Bathymetis simillima Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 179. ♂, ♀. [key, o.d., fig., Alaska (U.S.N.M.)]

Bathymetis confusa Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 180. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Bathymetis ungae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 180. ♂. [key, o.d., Unga, Alaska (U.S.N.M.)]

Bathymetis quadriceps Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 181. ♂. [key, o.d., Alaska (U.S.N.M.)]

Bathymetis simulator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 181. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Plesiognathus (!) rubrocinctus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [des., Pribilof Isls., Alaska]

Stiboscopus mandibularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)] Preoccupied by Slosson, 1896.

Bachia nigra Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 185. [Alaska]

Bathymetis nigrum Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3.
[syn.]

Plesignathus rubrocinctus Viereck, N. Amer. Fauna, 1923, no. 46: 233. [syn.]

Bathymetis simillima Viereck, N. Amer. Fauna, 1923, no. 46: 233. [Alaska.]

Phygadeuon nortoni Viereck

Phygadeuon (Plesignathus) nortoni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, Conn. (A.N.S.P.)]

Phygadeuon ovalis Provancher

Phygadeuon vulgaris Provancher, Nat. Canad., 1874, 3: 281. [key, Que.]
Mis-determined.

Phygadeuon ovalis Provancher, Nat. Canad., 1875, 7: 180, 183. ♂, ♀. [key,
o.d., Que. (M.P.Q.)]

Phygadeuon vulgaris Provancher, Nat. Canad., 1875, 7: 182. [key.] Mis-
determined.

Phygadeuon ovalis Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 317).
[key, syn., des.]

Phygadeuon ovalis Provancher, Nat. Canad., 1882, 13: 334, 335; (Faune, p. 773,
775). [key]

Phygadeuon ovalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 46, 49.
[key]

Phygadeuon ovalis Provancher, Nat. Canad., 1887, 17: 76. [Que.]

Phygadeuon ovalis Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Phygadeuon ovalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Phygadeuon perditus (Provancher) new combination

Cryptus perditus Provancher, Addit. Faune Canada, Hymén., 1886, p. 73. ♂.
[key, o.d., Ottawa, Ont. (C.N.C.)]

Hemiteles perditus Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

Phygadeuon pusillus (Cresson) new combination

Cryptus pusillus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 302. ♀. [o.d., Ill.
(A.N.S.P.)]

Phygadeuon quintilis Viereck

Phygadeuon (Plesignathus) quintilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Phygadeuon rufipes (Ashmead) new combination

Aenoplex rufipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 188. ♂. [o.d.,
Kodiak, Alaska (U.S.N.M.)]

Aenoplex rufipes Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]

Phygadeuon sanctipauli (Ashmead) new combination

Stiboscopus sanctipauli Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 171. ♀.
[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Phygadeuon scabrosus (Provancher) new combination

Hemiteles scabrosus Provancher, Nat. Canad., 1874, 6: 332. ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles scabrosus Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

Hemiteles scabrosus Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781). [key]

Phygadeuon slossonae Cushman

Bathymetis slossonae Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

Phygadeuon slossonae Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 21. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Phygadeuon solidus Lundbeck

Phygadeuon solidus Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897 p. 225. ♀. [o.d., Tassiusak, kun to Hunner, Greenland (Copenhagen Mus.)]

Phygadeuon solidus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. ♀. [des.]

Phygadeuon solidus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 526. [syn., Greenland]

Phygadeuon subfuscus Cresson

Phygadeuon subfuscus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 311. ♀. [o.d., Ill. (A.N.S.P.)]

Phygadeuon subfuscus Provancher, Nat. Canad., 1874, 6: 281. ♂, ♀. [key, des., Que.]

Phygadeuon subfuscus Provancher, Nat. Canad., 1875, 7: 182. [key]

Phygadeuon subfuscus Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 316). [key, des.]

Phygadeuon subfuscus Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

Platylabus crassicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 37. ♀. [key, o.d., Hull, Que. (M.P.Q.)] New synonymy.

Phygadeuon subfuscus Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

Phygadeuon subfuscus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Phygadeuon crassicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Phygadeuon subfuscus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Phygadeuon subfuscus Nason, Ent. News, 1905, 16: 150. [Ill.]

Phygadeuon subfuscus Landis and Howard, Tech. Bull. U. S. Dept. Agr., 1940, 721: 7-9. [fig., biol., host a]

TACHINIDAE: a, *Paradexodes epilachnae*.

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Phygadeuon taeniatus (Viereck)

Ceratophygadeuon taeniatus Viereck, Canad. Ent., 1924, 56: 111. ♀. [o.d., Hull, Que. (C.N.C.)]

Phygadeuon taeniatus Roman, Ent. Tidskr., 1938, 59: 35. ♀. [syn., des., Canada, Sweden.] Reference not seen.

Phygadeuon timidus Cresson

Phygadeuon timidus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Phygadeuon townsendi (Ashmead) new combination

Hemiteles townsendi Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♂. [key, o.d., Mich. (U.S.N.M.)]

Hemiteles townsendi Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, D.C., Mich.]

Hemiteles townsendi Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 31. [host *b*, D.C.]

MUSCIDAE: *a*, muscid puparium. TACHINIDAE: *b*, tachinid.

Phygadeuon unicinctus (Ashmead) new combination

Habromma nigrum Ashmead, Proc. Wash. Acad. Sci., 1902, 24: 188. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)] Preoccupied in *Phygadeuon* by Ashmead, 1899.

Isochresta unicincta Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

Bathymetis unicincta Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]

Phygadeuon vernalis (Brues) new combination

Microcryptus (Theroscopus) vernalis Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. ♀. [o.d., Framingham, Mass. (Brues Coll.)]

Phygadeuon victoriensis new name

Centeterus canadensis Harrington, Canad. Ent., 1894, 20: 210. ♀. o.d., Victoria, B.C. (C.N.C.) Preoccupied in *Phygadeuon* by Provancher, 1875.

Phygadeuon yuasai Bradley

Phygadeuon (Stibeutes) yuasai Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 99. ♀. [o.d., Chicoree Woods, Ithaca, N.Y. (Cornell Univ.)]

Phygadeuon zapotecus Cresson

Phygadeuon zapotecus Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 140. ♂. [o.d., Orizaba, Mexico (A.N.S.P.)]

The following Nearctic material is in the Townes Collection: ♀, Murphy, Tenn. VIII-29-40, H. K. Townes; ♂, Philadelphia, Pa. VI-29-41, H. and M. Townes.

ISELIX * Foerster

Iselixa Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Phygadeuon nitidus* Gravenhorst.

Ischnocryptus Kriechbaumer, Ent. Nachr., 1892, 18: 351.

Genotype: *Phygadeuon (Ischnocryptus) nitidus* Gravenhorst.

CAENOMERIS † Foerster

Caenomeris Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: *Xestophya nigripes* Ashmead (by present designation).

Caenomeris nigripes (Ashmead) new combination

Xestophya polita Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 162. ♂, ♀.

[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Xestophya nigripes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 163. ♂. [o.d.,

St. Paul Is., Alaska (U.S.N.M.)]

Xestophyes nigripes Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.,

Pribilof Islands]

Xestophyes polita Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

STILPNUS Gravenhorst

Stilpnus Gravenhorst, Ichneum. Europeae, 1829, 1: 664.

Genotype: *Stilpnus gagates* Gravenhorst.

Polyrhembia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 189.

Genotype: *Hemiteles tenebricosus* Gravenhorst.

Stilpnus americanus Cresson

Stilpnus americanus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂, ♀.

[o.d., N.J. (A.N.S.P.) N.Y., Pa.]

Megastylus politus Provancher, Nat. Canad., 1875, 7: 331. ♂. [o.d., Que.

(M.P.Q.)]

Stilpnus americanus Provancher, Nat. Canad., 1879, 11: 42; (Faune, p. 311).

[key, syn., des.]

Hemiteles orbicularis Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326).

♂. [key, o.d., Cap Rouge, Que. (type lost)]

Stilpnus Americanus Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781).

[syn.]

Stilpnus Americanus Provancher, Nat. Canad., 1887, 16: 46. [Que.]

* Nearctic members of this genus, which is doubtfully distinct from *Phygadeuon*, are in the Townes Collection.

† This genus is similar to *Stilpnus* except that the nervellus is unbroken and the clypeus has a single acute median tooth. In the smaller species the venation of the front wing is strongly retracted towards the base of the wing. Sometimes the propodeal area and the areola are separated by a distinct carina.

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Stilpnus americanus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Hemiteles americanus Dalla Torre, Cat. Hymen., 1902, 3: 642. [syn.]

Stilpnus americanus Nason, Ent. News, 1905, 16: 149. [Ill.]

Stilpnus americanus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]

Stilpnus americanus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 341. [des., Conn.]

Stilpnus americanus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

Stilpnus americanus Brimley, Insects of N.C., 1938, p. 406. [N.C.]

***Stilpnus anthomyidiperda* Viereck**

Stilpnus anthomyidiperda Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. ♀. [o.d., host *a*, Clarksville, Tenn. (U.S.N.M.)]

ANTHOMYIIDAE: *a*, anthomyiid on *Nicotiana tabacum*.

***Stilpnus laevis* Provancher**

Stilpnus laevis Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 772). ♀. [o.d., Que. (M.P.Q.)]

MESOLEPTUS Gravenhorst

Mesoleptus Gravenhorst, Ichneum. Europeae, 1829, 2: 3.

Genotype: *Ichneumon laevigatus* Gravenhorst.

Exolytus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1858, 15: 328.

Genotype: *Ichneumon laevigatus* Gravenhorst.

***Mesoleptus borealis* (Davis) new combination**

Exolytus borealis Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d., Hudson Bay Territory (A.N.S.P.)]

***Mesoleptus davisii* (Dalla Torre) new combination**

Exolytus petiolaris Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Thomson, 1884.

Exolytus davisii Dalla Torre, Cat. Hymen., 1902, 3: 727. [new name for *Exolytus petiolaris* Davis.]

***Mesoleptus declivus* (Provancher) new combination**

Hemiteles declivus Provancher, Addit. Faune Canada, Hymén., 1886, p. 60.

♂, ♀. [o.d., Ottawa, Ont. (C.N.C.) Que.]

Atractodes sepedontis Ashmead, Bull. N.Y. State Mus., 1901, 47: 588. ♀. [o.d., host *a*, Adirondacks, N.Y. (U.S.N.M.)] New synonymy.

SCIOMYZIDAE: *a*, *Sepedon fuscipennis*.

***Mesoleptus glaucus* (Davis) new combination**

Exolytus glaucus Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂, ♀. [o.d., Mich. (A.N.S.P.) Ill., N.Y.]

Mesoleptus ignotus Cresson

Mesoleptus? ignotus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♀.
[o.d., W.Va. (A.N.S.P.)]

Exolytus ignotus Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Exolytus melanoscelis DeGant, Proc. U. S. Nat. Mus., 1933, 83: 3. ♀. [o.d.,
Hinckley, Ohio (U.S.N.M.)] New synonymy.

Mesoleptus incompletus (Provancher) new combination

Pyracmon incompletum Provancher, Addit. Faune Canada, Hymén., 1886, p.
90. (♀). [o.d., Ottawa, Ont. (M.P.Q.)]

Atractodes incompletus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Exolytus ithacae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 206. ♀. [o.d.,
Ithaca, N.Y. (U.S.N.M.)] New synonymy.

ATRACTODES Gravenhorst

Atractodes Gravenhorst, Ichneum. Europeae, 1829, 3: 739.

Genotype: *Atractodes bicolor* Gravenhorst.

Seleucus Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 111. New synonymy.

Genotype: *Seleucus cuneiformis* Holmgren.

Asyncrita Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 29.

Genotype: *Atractodes foveolatus* Gravenhorst.

Atractodes aciculatus (Davis) new combination

Exolytus aciculatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂, ♀.
[o.d., N.Y. (A.N.S.P.) Ill., Mich.]

Exolytus aciculatus Nason, Ent. News, 1905, 16: 149. [Ill.]

Atractodes alamagnus (Davis) new combination

Exolytus alamagnus Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d.,
Colo. (A.N.S.P.)]

Atractodes alaskensis (Ashmead) new combination

Exolytus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♀. [key,
o.d., Popof Is., Alaska (U.S.N.M.)]

Atractodes ambiguus Ruthe

Atractodes ambiguus Ruthe, Stettin. Ent. Ztg., 1859, 20: 377. ♀. [o.d.,
Iceland (location of type unknown)]

Exolytus ungae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♂, ♀. [key,
o.d., Alaska (U.S.N.M.)] New synonymy.

Exolytus insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♀. [key,
o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Mesoleptus insularis Brues, Canad. Arctic Exped. 1913-18, 1919, 3 G: 21.
[Bernard Harbor, N.W. Terr.]

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Atractodes americanus (Ashmead)

Ischnus americanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 394. ♀.
[o.d., Kans. (U.S.N.M.)]

Atractodes americanus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. [syn.]

Atractodes ashmeadi Cushman

Asyncrita compressa Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Atractodes ashmeadi Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 6. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Atractodes aterrimus Holmgren

Atractodes aterrimus Holmgren, Öfvers. Svensk. Vet.-Akad. Forh., 1872, 29, no. 6: 98. ♂. [o.d., North Greenland (?Stockholm Mus.)]

Atractodes aterrimus Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897, p. 238. [des., Greenland]

Atractodes aterrimus Nielsen, Meddel. om Grønland, 1907, 29: 388. [Greenland]

Atractodes aterrimus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. ♂. [des., Greenland]

Atractodes aterrimus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 540. [syn., Greenland, Novaja-Semlja]

Atractodes aterrimus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [des., Greenland]

Atractodes aterrimus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. ♂, ♀.
[des., Greenland]

Atractodes bicolor arcticus Holmgren

(*Atractodes bicolor* Gravenhorst, Ichneum. Europeae, 1829, 3: 791. ♀. [o.d., "circa Warmbrunn, in montis Schneeberg, et e Fennia" (Germany) (?Breslau Mus.)])

Atractodes arcticus Holmgren, Öfvers. Svensk. Vet.-Akad. Forh., 1872, 29, no. 6: 99. ♂. [o.d., North Greenland (?Stockholm Mus.)]

Atractodes arcticus Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897, p. 239. [des., Greenland]

Atractodes bicolor var. *arcticus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂. [des., Greenland]

Atractodes bicolor var. *arcticus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 540. [syn., Greenland, northern Europe]

Atractodes bicolor arcticus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. [des., Greenland]

Atractodes brevissimus (Dalla Torre) new combination

Exolytus brevis Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d., Mich. (A.N.S.P.), Ill., N.H.] Preoccupied by Foerster, 1876.

Exolytus brevissimus DallaTorre, Cat. Hymen., 1902, 3: 727. [new name for *Exolytus brevis* Davis]

Exolytus brevis Slosson, Ent. News, 1902, 13: 320. [N.H.]

Atractodes compressus (Cresson)

Stilpnus? compressus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 260. ♂. [o.d., Colo. (A.N.S.P.)]

Asyncrita compressus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Atractodes compressus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 6. [syn.]

Atractodes compressa Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Atractodes cultus (Davis) new combination

Exolytus cultus Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d., Colo. (A.N.S.P.) Ill.]

Exolytus cultus Nason, Ent. News, 1905, 16: 149. [Ill.]

Atractodes dakotaensis (Davis) new combination

Exolytus dakotaensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂. [o.d., S.D. (A.N.S.P.)]

Atractodes fatuus new name

Phygadeuon polita Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] Preoccupied in *Atractodes* by Provancher, 1874.

Polyrhembia polita Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Atractodes gillettei (Ashmead) new combination

Seleucus gillettei Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 206. ♂. [o.d., Fort Collins, Colo. (U.S.N.M.)]

Atractodes grandis Cushman

Exolytus grandis Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

Atractodes grandis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 7. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Atractodes kincaidi (Ashmead) new combination

Exolytus sanctipauli Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. ♀. [key, o.d., Alaska (U.S.N.M.)] New synonymy.

Exolytus kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Mesoleptus kincaidi Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

Polyrhembia sanctipauli Viereck, N. Amer. Fauna, 1923, no. 46: 232. [Alaska.]

Atractodes laphroscopoides (Viereck) new combination

Hemiteles (Diaglypta?) laphroscopoides Viereck, Trans. Kans. Acad. Sci., 1905, 19: 294. ♂. [Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

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Atractodes niger (Ashmead) new combination

Exolytus niger Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 338. ♀. [o.d., Bering Islands and Pribilof Islands, Alaska (U.S.N.M.)]

Exolytus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. ♂, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Exolytus niger Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. [key, Alaska.]

Mesoleptus niger, Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

Atractodes nigricoxus Provancher

Atractodes nigricoxus Provancher, Nat. Canad., 1882, 13: 368; (Faune, p. 790).

♂. [key, o.d., Que. (M.P.Q.)]

Atractodes nigricoxus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Atractodes nigricoxatus Dalla Torre, Cat. Hymen., 1902, 3: 722. [new name for

Atractodes nigricoxus Provancher]

Atractodes pacificus new name

Angitia Americana Harrington, Canad. Ent., 1894, 26: 246. ♀. [o.d., Victoria, B.C. (C.N.C.)] Preoccupied in *Atractodes* by Ashmead, 1890.

Seleucus americana Walley, Canad. Ent., 1929, 61: 193. [syn.]

Atractodes perplexus (Ashmead).

Exolytus perplexus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 165. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

Mesoleptus perplexus Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

Atractodes politus (Provancher) new combination

Campoplex politus Provancher, Nat. Canad., 1874, 6: 144. ♀. [key, o.d., Que. (M.P.Q.)]

Exolytus politus Provancher, Nat. Canad., 1879, 11: 208; (Faune, p. 380). ♀. [des.]

Exolytus politus Provancher, Nat. Canad., 1882, 13: 368; (Faune, p. 790). ♀. [des.]

Atractodes rufiventris (Ashmead) new combination

Seleucus rufiventris Ashmead, Trans. Amer. Ent. Soc., 1898, 24: 207. ♀. [o.d., Agricultural College, Mich. (U.S.N.M.)]

Seleucus rufiventris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Atractodes seldoviae (Ashmead) new combination

Exolytus seldoviae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♂. [key, o.d., Seldovia, Alaska (U.S.N.M.)]

Atractodes serpedontus Cushman

Atractodes serpedontes Slosson, Ent. News, 1902, 13: 5. [N.H.] (*nomen nudum*)

Atractodes serpedontus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 7.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Atractodes tenebricosus (Gravenhorst)

Hemiteles tenebricosus Gravenhorst, Ichneum. Europeae, 1829, 2: 785. ♂.
[o.d., "circa Warmbrunn, e Volhynia" (Germany) (?Breslau Mus.)]

Atractodes tenebricosus Ruthe, Stettin. Ent. Ztg., 1859, 20: 376. [des., Iceland.]

Atractodes tenebricosus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 239. [Greenland]

Atractodes tenebricosus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂, ♀.
[des., Greenland]

Atractodes ungensis (Ashmead) new combination

Exolytus ungensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♀. [key, o.d., Unga, Alaska (U.S.N.M.)]

Exolytus rubrocinctus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♂.
[key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Subfamily 3. CRYPTINAE

Tribe 2. APTESINI

CUBOCEPHALUS Ratzeburg

Cubocephalus Ratzeburg, Ichneum. Forstins., 1848, 2: 121.

Genotype: (*Cryptus fortipes* Gravenhorst) = *distinctor* Thunberg.

Ecporthetor Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.
New synonymy.

Genotype: (*Phygadeuon fortipes* Gravenhorst) = *distinctor* Thunberg.

Pammachus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.
New synonymy.

Genotype: *Stenocryptus nigriventris* Thomson.

Microcryptus Thomson, Opusc. Ent., 1873, 5: 520. New synonymy.

Genotype: *Cryptus erythrinus* Gravenhorst.

Cratocryptus Thomson, Opusc. Ent., 1873, 5: 520, 521. New synonymy.

Genotype: *Cryptus furcator* Gravenhorst.

Stenocryptus Thomson, Opusc. Ent., 1873, 5: 320.

Genotype: *Stenocryptus nigriventris* Thomson.

Cubocephalus alacris (Cresson) new combination

Cryptus alacris Cresson, Proc. Ent. Soc. Phila., 1864, 3: 306. ♀. [o.d., Ill. (A.N.S.P.) Del.]

Mesostenus nigricornis Provancher, Nat. Canad., 1875, 7: 264, 267. ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon alacris Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 316).
[key, syn., des. (in part)]

Cryptus eburneifrons Provancher, Nat. Canad., May, 1879, 11: 133; (Faune, p. 332). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

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- Mesostenus collinus* Provancher, Nat. Canad., June, 1879, 11: 111; (Faune, p. 344). ♂. [key, o.d., fig., Que. (type lost)]
- Echthrus nigricornis* Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 486). [key, des.]
- Phygadeuon alacris* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 774). [key]
- Cryptus eburneifrons* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785). [syn.]
- Echthrus nigricornis* Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 803). ♀. [des.]
- Phygadeuon alacris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]
- Cryptus eburneifrons* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]
- Cryptus mellipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]
- Echthrus nigricornis* Harrington, Canad. Ent., 1893, 25: 32. [key]
- Cryptus? nigricornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
- Cryptus alacris* Davis, Canad. Ent., 1895, 27: 288. [syn.]
- Phygadeuon alacris* Slosson, Ent. News 1897, 8: 237. [N.H.]
- Cryptus Lavogleri* Dalla Torre, Cat. Hymen., 1902, 3: 566. [new name for *Mesostenus nigricornis* Provancher]
- Cryptus collinus* Dalla Torre, Cat. Hymen., 1902, 3: 567. [syn.]
- Cryptus alacris* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Cryptus lavogleri* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
- Agrothereutes alacris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key, des., Conn.]
- Pezoporus nigricornis* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]
- Cryptus alacris* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host a, Mich.]
- Aptesis alacris* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]
- Cryptus eburneifrons* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- OLETHREUTIDAE: a, *Grapholitha molesta*.
- Cubocephalus annectus** new name
- Cryptus spissicornis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 361. ♀. [o.d., St. Gertrude, Que. (M.P.Q.)] Preoccupied by Provancher, 1886.
- Cubocephalus annulatus** (Cresson) new combination
- Phygadeuon annulatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 308. ♀. [o.d., Del. (A.N.S.P.)]
- Phygadeuon annulatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [des., Que.]
- Cubocephalus ater** (Ashmead) new combination
- Phygadeuon ater* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 20. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

Chaeretymma Ashmeadii Harrington, Canad. Ent., 1894, 26: 212. ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

Chaeretymma Ashmeadii Harrington, Canad. Ent., 1897, 29: 44. [des., B.C.]

Cubocephalus atricornis new name for *Phaeogenes nigricornis* Provancher

Phaeogenes nigricornis Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 770). ♂. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Cubocephalus* by Provancher, 1875.

Phaeogenes nigricornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 40. [key]

Phaeogenes nigricornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Cubocephalus baldaufi (Dalla Torre) new combination

Cryptus scutellatus Provancher, Nat. Canad., 1877, 9: 12. ♂. [o.d., Que. (M.P.Q.)] Preoccupied by Smith, 1858.

Cryptus scutellatus Provancher, Nat. Canad., 1879, 11: 133; (Faune, p. 332). ♂. [key, des.]

Cryptus scutellatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

Cryptus baldaufi Dalla Torre, Cat. Hymen. 1902, 3: 563. [new name for *Cryptus scutellatus* Provancher]

Cubocephalus canadensis (Provancher) new combination

Leptobatus Canadensis Provancher, Nat. Canad., 1875, 7: 145. ♀. [o.d., Que. (M.P.Q.)]

Phygadeuon signatus Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). [key, syn., des. (in part)]

Cryptus pentagonalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. ♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Cryptus pentagonalis Davis, Canad. Ent., 1895, 27: 288. [syn.]

Cryptus pentagonalis Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

Cubocephalus cincticornis (Cresson) new combination

Phygadeuon cincticornis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 309. ♀. [o.d., Ill. (A.N.S.P.)]

Cubocephalus circumcinctus (Provancher) new combination

Cryptus circumcinctus Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 331). ♂. [key, o.d., Que. (M.P.Q.)]

Cryptus circumcinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

Cryptus flavipes Harrington, Canad. Ent., 1894, 26: 212. ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

Cubocephalus collaris (Provancher) new combination

Cryptus collaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 71. ♂. [key, o.d., St. Gertrude, Que. (M.P.Q.)]

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Cubocephalus erythropygus (Provancher) new combination*Cryptus erythropygus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 69.

♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Cryptus erythropygus Davis, Canad. Ent., 1895, 27: 289. [syn.]*Chaeretymma erythropygus* Walley, Canad. Ent., 1937, 69: 116. [syn.]**Cubocephalus eximius** (Cresson) new combination*Mesoleptus eximius* Cresson, Trans. Amer. Ent. Soc., 1868; 2: 100. ♂. [o.d., Conn. (A.N.S.P.)]*Mesoleptus eximius* Provancher, Nat. Canad., 1875, 7: 271, 272. [key, Que.](Hemitelini) *eximius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]*Hemiteles eximius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 339. [key]**Cubocephalus impressus** (Provancher) new combination*Ischnus impressus* Provancher, Nat. Canad., 1875, 7: 112. ♂. [key, o.d., Que. (M.P.Q.)]*Phygadeuon impressus* Provancher, Nat. Canad., 1879, 11: 71; (Faune, p. 317). [key, syn., des.] In part, not *Phygadeuon impressus* Provancher, 1874.*Phygadeuon impressus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]*Phygadeuon impressus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]*Phygadeuon impressus* Provancher, Nat. Canad., 1887, 16: 24, 34, 46. [Que.]*Phygadeuon impressus* Nason, Ent. News, 1905, 16: 150. [Ill.]**Cubocephalus incognitus** (Provancher) new combination*Cryptus incognitus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 70.

♂. [key, o.d., Ste. Angèle de Laval, Que. (M.P.Q.)]

Cubocephalus laticeps (Cresson) new combination*Cryptus laticeps* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]**Cubocephalus latus** (Provancher) new combination*Cryptus latus* Provancher, Nat. Canad., 1874, 6: 178, 204. ♀. [key, o.d., Que. (type lost)]*Cryptus incertus* Provancher, Nat. Canad., 1874, 6: 178, 205. ♂, ♀. [key, des., biol., Que.] Misdetermined.*Cryptus latus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]*Cryptus occidentalis* Provancher, Nat. Canad., 1875, 7: 314. ♀. [o.d., Que. (M.P.Q.)]*Phygadeuon inhabilis* Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)] New synonymy.*Cryptus latus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♀. [des., B.C.]

Phygadeuon inhabilis Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315).
[key, des.]

Phygadeuon occidentalis Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 316). [key, syn., des.]

Phygadeuon inhabilis Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 774).
[key]

Phygadeuon occidentalis Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774). [key]

Phygadeuon inhabilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 46.
[key]

Phygadeuon occidentalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.
[key]

Phygadeuon latus Dalla Torre, Cat. Hymen., 1902, 3: 687. [syn.]

Chaeretymma lata Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Phygadeuon occidentalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.
[Me.]

Aptesis occidentalis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

Cubocephalus maurus (Cresson) new combination

Echthrus? *maurus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 381. ♀.
[o.d., Victoria, B.C. (A.N.S.P.)]

Echthrus? *maurus* Harrington, Canad. Ent., 1893, 25: 31. [key]

Cubocephalus mellicoxus (Provancher) new combination

Cryptus mellicoxus Provancher, Addit. Faune Canada, Hymén., 1886, p. 75.
♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Cubocephalus minutus (Cushman) new combination

Cratocryptus sp. Newcomer, Bull. U. S. Dept. Agr., 1915, 265: 33. [host *a*.
Wash.]

Chaeretymma minuta Cushman, Proc. U. S. Nat. Mus., 1917, 53: 465. ♂, ♀.
[o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)]

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

Cubocephalus nitidus (Provancher) new combination

Mesostenus nitidus Provancher, Nat. Canad., 1874, 6: 301. ♂. [key, o.d.,
Cap Rouge, Que. (M.P.Q.)]

Cryptus ruficoxus Provancher, Nat. Canad., 1875, 7: 176, 178. ♂. [key,
o.d., Que. (type lost)]

Mesostenus ruficoxus Provancher, Nat. Canad., 1875, 7: 266, 268. ♂. [key,
o.d., Que. (type lost)]

Mesostenus nitidus Provancher, Nat. Canad., 1875, 7: 268. [key]

Phygadeuon nitidulus Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 317).
[key, syn., des., new name for *Mesostenus nitidus* Provancher.]

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Phygadeuon nitidulus Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775).
[key]

Phygadeuon nitidulus Provancher, Addit. Faune Canada, Hymen., 1886, p. 58.
♂, ♀. [key, des., B.C.]

Phygadeuon nitidulus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Phygadeuon nitidulus Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

Mesostenus provancheri Dalla Torre, Cat. Hymen., 1902, 3: 546. [new name for
Mesostenus ruficoxus Provancher]

Phygadeuon nitidulus Nason, Ent. News., 1905, 16: 150. [Ill.]

Pezoporos nitidulus Cushman, Proc. U. S. Nat. Mus., 1929, 74: 58. [syn.]

Phygadeuon nitidulus Taylor, Ent. Amer., 1929, 10: 36. [host *a*, Mass.]

Phygadeuon nitidulus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,
no. 2: 100. [Mass.]

CURCULIONIDAE: *a*, *Pissodes strobi*.

Cubocephalus osculatus (Provancher) new combination

Cryptus osculatus Provancher, Nat. Canad., 1874, 6: 178. ♂. [key, o.d.,
Que. (M.P.Q.)]

Cryptus osculatus Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 331).
[key, des.]

Cryptus osculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 63.
[key]

Microcryptus osculata Cushman, Proc. U. S. Nat. Mus., 1917, 53: 457. ♂, ♀.
[des., host *a*, Wash.]

Chaeretymma osculata Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

Cubocephalus pallidus (Cresson) new combination

Cryptus pallidus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 307. ♀. [o.d., Del.
(A.N.S.P.)]

Cryptus pallidus? Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *a*,
Mass.]

PTEROPHORIDAE: *a*, ?*Pterophorus periscelidactylus*.

Cubocephalus rectus (Provancher) new combination

Cryptus rectus Provancher, Addit. Faune Canada, Hymén., 1886, p. 75. ♂.
[key, o.d., Cap Rouge, Que. (M.P.Q.)]

Cryptus heiglii Dalla Torre, Cat. Hymen., 1902, 3: 574. [new name for *Cryptus*
rectus Provancher]

Chaeretymma zingara Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16.
[host *a*, N.Y.] Nomen nudum.

BUPRESTIDAE: *a*, *Dicerca divaricata*.

Cubocephalus rufifrons (Walsh) new combination

Cryptus rufifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 75. ♀. [o.d., (?Ill.) (type destroyed)]

Cubocephalus schmuckii (Dalla Torre) new combination

Cryptus longicaudus Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] Preoccupied by Kriechbaumer, 1873.

Cryptus longicaudus Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

Cryptus schmuckii Dalla Torre, Cat. Hymen., 1902, 3: 588. [new name for *Cryptus longicaudus* Provancher]

Cubocephalus signatus (Provancher) new combination

Cryptus signatus Provancher, Nat. Canad., 1874, 6: 179. ♀. [key, o.d., Que. (M.P.Q.)]

Cryptus Quebecensis Provancher, Nat. Canad., 1874, 6: 179. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon signatus Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). [key, syn., des. (in part)]

Cryptus velox Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 330). [key, syn., des. (in part)]

Phygadeuon signatus Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 772). [key]

Phygadeuon signatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

Phygadeuon signatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, des.]

Cubocephalus spissicornis (Provancher) new combination

Cryptus spissicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♂, ♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

Phygadeuon spissicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Cubocephalus velox (Cresson) new combination

Cryptus velox Cresson, Proc. Ent. Soc. Phila., 1864, 3: 293. ♀. [o.d., N.Y. (A.N.S.P.)]

Cryptus velox Provancher, Nat. Canad., 1874, 6: 179. [key, Que.]

Cryptus velox Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 330). [key, syn., des. (in part)]

Cryptus velox Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]

Isotina (!) *tibialis* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Chaeretymma velox Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 9. [syn.]

Chaeretymma velox Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Chaeretymma velox Taylor, Ent. Amer., 1929, 10: 39. [Mass.]

Cubocephalus vultus (Cresson) new combination

Mesoleptus vultus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 268, ♂. [o.d. Del. (A.N.S.P.)]

Cryptus ignotus Provancher, Addit. Faune Canada, Hymén., 1886, p. 73. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Cryptus ignotus Davis, Canad. Ent., 1895, 27: 288. [syn.]

(Cryptini) *vultus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

APTESIS Foerster

Aptesis Foerster, Wiegmann's Arch. Naturg., 1850, 16, bd. 1: 71, 82.

Genotype: *Ichneumon sudeticus* Gravenhorst.

Pezoporus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

Preoccupied by Illiger, 1811 and by Klug, 1842.

Genotype: *Pezoporus nigrocinctus* Gravenhorst.

Aptesis aterrima (Provancher) new combination

Phaeogenes aterrimus Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769).

♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Phaeogenes aterrimus Provancher, Addit. Faune Canada, Hymén., 1886, p. 41.

♂, ♀. [key, des., Que.]

Phygadeuon aterrimus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Aptesis basizonia (Gravenhorst) new combination

Phygadeuon basizonius Gravenhorst, Ichneum. Europeae, 1829, 2: 748. ♀. [o.d., Sickershausen, Europe (?Breslau Mus.), Finland]

Microcryptus basizonius Balch, Rpt. Dept. Lands & Forests N.S. for 1935, 1936, p. 95. [host *a*, Canada]

Microcryptus basizonius Finlayson and Reeks, Canad. Ent., 1936, 68: 165, 166. [biol., host *a*, Europe, Que.]

DIPRIONIDAE: *a*, *Diprion hercyniae*.

Aptesis brevicauda (Ashmead)

Cryptus brevicauda Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., St. Louis, ?Mo. (U.S.N.M.)]

Cryptus brevicauda Nason, Ent. News, 1905, 16: 150. [Ill.]

Aptesis brevicauda Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

Aptesis brevicornis (Provancher) new combination

Cryptus brevicornis Provancher, Nat. Canad., 1875, 7: 176, 177. ♂. [key, o.d., Que. (M.P.Q.)]

Mesostenus albicoxus Provancher, Nat. Canad., 1875, 7: 266, 267. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon albicoxus Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). [key, des.]

Phygadeuon impressus Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 317). [key, syn., des. (in part)]

Phygadeuon albicoxus Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]

Phygadeuon albicornis (!) Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]

Phygadeuon brevicornis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Phygadeuon brevicornis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

Aptesis decorata (Provancher) new combination

Ichneumon decoratus Provancher, Nat. Canad., 1875, 7: 25, 83. ♂. [key, o.d., Que. (M.P.Q.)]

Ichneumon decoratus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des., Canada, Mass.]

Ichneumon decoratus Provancher, Nat. Canad., 1878, 10: 276, 356; (Faune, p. 282). [key, des.]

Phygadeuon orbitalis Provancher, Nat. Canad., 1882, 13: 335, 354; (Faune, p. 776). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon orbitalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]

Ichneumon decoratus Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Phygadeuon orbitalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]

Phygadeuon (Scinascopus?) orbitaliformis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Phygadeuon orbitalis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Phygadeuon orbitalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Phygadeuon orbitalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

Aptesis dorsator (Ashmead) new combination

Centeterus dorsator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 161. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

Aptesis ferruginea (Ashmead) new combination

Stiboscopus ferrugineus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 173, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] Not *Cryptus ferrugineus* Ashmead, 1890

Aptesis indistincta (Provancher)

Cryptus micropterus Say, Boston Jour. Nat. Hist., 1836, 1: 238. (Leconte Ed., 2: 694.) ♀. [o.d., Pa. (type destroyed)] Preoccupied in *Aptesis* by Gravenhorst, 1815.

Brachypterus micropterus Walsh, Practical Ent., 1866, 1: 120. [host c.]

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- Phaeogenes indistinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 43.
♂. [key, o.d., Ottawa, Ont. (C.N.C.)]
Cryptus segregatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 73.
♂. [o.d., Ottawa, Ont. (C.N.C.)]
Aptesis micropterus Cresson, Synops. Hymen. N. Amer., 1887, p. 199. [syn.]
Cryptus indistinctus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
Cryptus segregatus Davis, Canad. Ent., 1895, 27: 287. [des.]
Phygadeuon indistinctus Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Aptesis micropterus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.
[Pa.]
Aptesis microptera Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328.
[des.]
Aptesis pterigia Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 100. ♀. [new
name for *Cryptus micropterus* Say]
Aptesis pterigia Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 161.
[syn.]
Aptesis pterigia Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928.
[N.Y.]
Aptesis indistincta Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.,
host b, Me.]
Pezoporus indistinctus Dowden, Jour. Econ. Ent., 1937, 30: 381. [host d,
"Great Lakes Region"]
Aptesis indistincta Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host
a, N.B.]
Aptesis indistincta Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a,
Canada]
- DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion* sp. TENTHREDINIDAE: c, *Nematus ribesii*; d, *Pristiphora erichsonii*.
- Aptesis iridescens*** (Cresson) new combination
Ischnus iridescens Cresson, Proc. Ent. Soc. Phila., 1864, 3: 193. ♂. [o.d.,
Del. (A.N.S.P.)]
Ichneumon iridescens Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]
Cryptus iridescens Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
Cryptus iridescens Dalla Torre, Cat. Hymen., 1902, 3: 576. [syn., in part]
- Aptesis nigriceps*** (Provancher) new combination
Phygadeuon nigriceps Provancher, Addit. Faune Canada, Hymén., 1886, p. 52.
♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]
- Aptesis nivaria*** Brues
Aptesis nivarius Brues, Canad. Arctic Exped., 1913-18, 1919, 3 G: 21. ♀.
[o.d., Collinson Pt., Alaska (C.N.C.)]
- Aptesis rubrocincta*** (Provancher) new combination
Phygadeuon rubrocinctus Provancher, Nat. Canad., 1874, 6: 280. ♀. [key,
o.d., Que. (M.P.Q.)]

- Phygadeuon rubrocinctus* Provancher, Nat. Canad., 1875, 7: 182. [key.]
Phygadeuon rubrocinctus Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315). [key, des.]
Phygadeuon rubrocinctus Provancher Nat. Canad., 1882, 13: 333; (Faune, p. 773). [key]
Phygadeuon rubrocinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]
Phygadeuon rubrocinctus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Aptesis schoberi (Dalla Torre) new combination

- Cryptus ferrugineus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., Placer Co., Calif. (U.S.N.M.)] Preoccupied by Smith, 1861.
Cryptus Schoberi Dalla Torre, Cat. Hymen., 1902, 3: 588. [new name for *Cryptus ferrugineus* Ashmead]
Cryptus koebelei Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 158. [new name for *Cryptus ferrugineus* Ashmead]

Aptesis segnis (Provancher) new combination

- Phygadeuon segnis* Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)]
Phygadeuon segnis Provancher, Nat. Canad., 1879, 11: 71; (Faune, p. 317). [key, des.]
Phygadeuon segnis Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 773). [key]
Phygadeuon segnis Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

Aptesis tenthredinarum (Rohwer) new combination

- Pezoporus (Schenkia) tenthredinarum* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 216. ♂, ♀. [o.d., host *a*, Geneva, N.Y. (U.S.N.M.)]
Pezoporus tenthredinarum Parrott and Fulton, Bull. N.Y. Agr. Exp. Sta., 1915, 411: 552, 572. [des., fig., biol., host *a*, N.Y.]

TENTHREDINIDAE: *a*, *Profenusa canadensis*.

Aptesis tegularis (Provancher)

- Phygadeuon tegularis* Provancher, Nat. Canad., 1874, 6: 282. ♀. [key, o.d., Que. (M.P.Q.)]
Phygadeuon tegularis Provancher, Nat. Canad., 1875, 7: 182. [key]
Phygadeuon alacris Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 316). [key, syn., des. (in part)]
Aptesis tegularis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

Aptesis trifasciata (Ashmead) new combination

- Microcryptus trifasciatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]
Pezoporus trifasciatus Viereck, N. Amer. Fauna, 1923, no. 46: 234. [syn.]

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Aptesis tsugae Cushman

Aptesis (Pezoporus) tsugae Cushman, Jour. Wash. Acad. Sci., 1939, 29: 394.

♂, ♀. [o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

Aptesis (Pezoporus) tsugae Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

MEGAPLECTES Foerster

Megaplectes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Ichneumon monticola* Gravenhorst.

Iocryptus Thomson, Opusc. Ent., 1873, 5: 470, 472.

Genotype: (*Phygadeuon regius* Taschenberg) = *monticola* Gravenhorst.

Megaplectes blakei (Cresson)

Ichneumon Blakei Cresson, Proc. Ent. Soc. Phila., 1864, 3: 139. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon Blakei Cresson, Proc. Ent. Soc. Phila., 1865, 3: 249. [Colo.]

Cryptus insignis Provancher, Nat. Canad., 1874, 6: 178. ♀. [key, o.d., Que. (type lost)]

Ichneumon Blakei Provancher, Nat. Canad., 1874, 7: 25. ♂. [key, des., Que.]

Cryptus Blakei Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]

Phygadeuon Blakei Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 313). ♂, ♀. [key, syn., des.]

Phygadeuon Blakei Provancher, Nat. Canad., 1882, 13: 333, 335; (Faune, p. 772, 774). [key]

Hoplismenus stygicus Provancher, Addit. Faune Canada, Hymén., 1886, p. 34.

♂. [o.d., Ont. (M.P.Q.)] New synonymy.

Phygadeuon Blakei Provancher, Addit. Faune Canada, Hymén., 1886, p. 45, 48. [key]

Megaplectes blakei Slosson, Ent. News, 1898, 9: 253. [N.H.]

Megaplectes blakei Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

Megaplectes monticola Bradley, Bull. Lloyd Libr., 1926, 27: 169. [syn. (in part), N.Y.]

Megaplectes blakei Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [syn., N.Y.]

SCHENKIA Foerster

Shenkia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Cryptus graminicola* Gravenhorst) = *brevicornis* Gravenhorst.

Ecpaglus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.

Genotype: *Phygadeuon brevicornis* Gravenhorst.

Schenckia Dalla Torre, Wien. Ent. Ztg., 1901, 20: 51. [emendation of *Shenkia* Foerster]

Schenkia placida (Provancher) new combination

Ischnus placidus Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (type lost)]

Phygadeuon rectus Provancher, Nat. Canad., 1875, 7: 178, 182. ♀. [key, o.d., Que. (C.N.C.)] New synonymy.

Phygadeuon rectus Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315). [key, syn., des.]

Phaeogenes tuberculifer Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 770). ♀. [key, o.d., Que. (C.N.C.)] New synonymy.

Phaeogenes tuberculifer Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

Phygadeuon rectus Provancher, Addit. Faune Canada, Hymén., 1886, p. 49. [key]

Cryptus pubescens Provancher, Addit. Faune Canada, Hymén., 1886, p. 72. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] Preoccupied by Fonscolombe 1850. New synonymy.

Phygadeuon tuberculifer Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Cryptus? rectus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Cryptus pubescens Davis, Canad. Ent., 1895, 27: 287. [syn.]

Phaeogenes tuberculifer Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Cryptus hechfellneri Dalla Torre, Cat. Hymen., 1902, 3: 574. [new name for *Cryptus pubescens* Prov.]

Phygadeuon rectus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Schenkia sp.

Cryptus hyslopi Brimley, Insects of N.C., 1938, p. 407. [N.C.] Misdetermined.

Schenckia sp. Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

GIRAUDIA Foerster

Giraudia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Cryptus congruens* Gravenhorst) = *gyratoria* Thunberg.

Calocryptus Thomson, Opusc. Ent., 1873, 5: 519.

Genotype: (*Cryptus congruens* Gravenhorst) = *gyratoria* Thunberg.

Pseudocryptus Kriechbaumer, Ent. Nachr., 1893, 19: 120. New synonymy.

Genotype: *Cryptus grisescens* Gravenhorst.

Giraudia plana (Provancher) new combination

Phygadeuon planus Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon planus Provancher, Nat. Canad., 1875, 7: 183. [key]

Phygadeuon robustus Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 322). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

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- Phygadeuon planus* Provancher, Nat. Canad., 1879, 11: 76; (Faune, p. 322).
[key, des.]
- Phygadeuon planus* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).
[key]
- Phygadeuon robustus* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).
[key]
- Phygadeuon planus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.
[key]
- Phygadeuon robustus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.
[key]
- Aptesis ferruginea* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. ♂, ♀.
[o.d., host a, Riverdale, Md. (U.S.N.M.)] New synonymy.
- Microcryptus ferrugineus* Neave, Rev. Appl. Ent., 1937 A, 24: 389. [syn.]
- TENTHREDINIDAE: a, *Tomostethus multicinctus*.

Giraudia rufa (Provancher) new combination

- Cryptus rufus* Provancher, Nat. Canad., 1874, 6: 177, 202. ♂. [key, o.d.,
Que. (M.P.Q.)]
- Cryptus rufus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]
- Cryptus rufus* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 342). ♂, ♀.
[key, syn. (in part), des.]
- Cryptus rufus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66.
[key]
- Agrothereutes rufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332.
[key, Conn.]

POLYTRIBAX Foerster

- Polytribax* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.
Genotype: *Polytribax pallescens* Viereck.

Polytribax contiguus (Cresson) new combination

- Ischnus contiguus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 190. ♂. [o.d.,
Md. (A.N.S.P.)]
- Phygadeuon major* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 308. ♀. [o.d.,
Ill. (A.N.S.P.)] New synonymy.
- Ichneumon contiguus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada,
Eastern and Middle States]
- Ischnus contiguus* Provancher, Nat. Canad., 1875, 7: 111. [key, des., Que.]
- Phygadeuon major* Provancher, Nat. Canad., 1875, 7: 181, 183. [key, Que.]
- Cryptus contiguus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
- Phygadeuon major* Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320).
[key, des.]
- Cryptus contiguus* Provancher, Nat. Canad., 1879, 11: 134; (Faune, p. 333).
[key, des.]

- Phygadeuon major* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).
[key]
- Cryptus contiguus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64.
[key]
- Phygadeuon major* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.
[key]
- Agrothereutes contiguus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key]
- Plectocryptus contiguus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Plectocryptus major* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Plectocryptus contiguus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.
[Me.]
- Plectocryptus major* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.
[Me.]
- Plectocryptus contiguus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Plectocryptus major* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Plectocryptus major* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Plectocryptus contiguus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

Polytribax crotchii (Cresson) new combination

- Phygadeuon Crotchii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 357. ♀.
[o.d., Lake Lahache, B.C. (A.N.S.P.)]

Polytribax fulvescens (Cresson) new combination

- Phygadeuon fulvescens* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀.
[o.d., Calif. (A.N.S.P.)]

Polytribax pallescens (Viereck)

- Plesiognathus* (!) *flavescens* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.J., Pa.] Misdetermined.
- Phygadeuon fulvescens* (= *Plesiognathus flavescens*) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.] Misdetermined.
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 406. ♂, ♀. [o.d., host *a b*, Castle Rock, Pa. (U.S.N.M.)]
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Proc. Ent. Soc. Wash., 1911, 13: 97. [syn.]
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 337. [key]
- Polytribax pallescens* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Polytribax pallescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

Polytribax pallescens Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

Polytribax pallescens Brimley, Insects of N.C., 1938, p. 406. [N.C.]

ARCTIIDAE: a, *?Hyphantria* sp. HESPERIIDAE: b, *Proteides clarus*.

RHEMBOBIUS Foerster

Rhembobius Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Phygadeuon quadrispinus* (!) Gravenhorst) = *quadrispinus* Gravenhorst.

Acanthocryptus Thomson, Opusc. Ent., 1873, 5: 520, 521.

Genotype: *Phygadeuon quadrispinus* Gravenhorst.

***Rhembobius abdominalis abdominalis* (Provancher)**

Phygadeuon abdominalis Provancher, Nat. Canad., 1874, 6: 280. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon 4-carinatus Provancher, Nat. Canad., 1875, 7: 180, 183. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon abdominalis Provancher, Nat. Canad., 1875, 7: 182. [key]

Platylabus 4-carinatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♂. [key, des.]

Platylabus 4-carinatus Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306). ♂. [key, des.]

Phygadeuon abdominalis Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319). [key, des.]

Phygadeuon abdominalis Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

Platylabus 4-carinatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

Phygadeuon abdominalis Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

Apaeleticus quadricarinatus Bradley, Canad. Ent., 1903, 35: 275. [syn.]

Platylabus quadricarinatus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3. [syn.]

Phygadeuon abdominalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

Rhembobius abdominalis Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3. [des. (in part), Colo., Conn., Me., N.Y., Que., S.D.]

***Rhembobius abdominalis pacificus* (Harrington) new combination**

Platylabus pacificus Harrington, Canad. Ent., 1894, 26: 210, ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

Platylabus pacificus Bradley, Canad. Ent., 1903, 30: 282. [key]

Rhembobius abdominalis Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3. [des. (in part), host a b, Calif., Colo., Wash.]

SYRPHIDAE: a, *Citibaena strigata*; b, *Merodon equestris*.

DEMOPHELES Foerster

Demopheles Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Phygadeuon caliginosus* Gravenhorst.

Mecocryptus Thomson, Opusc. Ent., 1873, 5: 520, 521.

Genotype: *Phygadeuon caliginosus* Gravenhorst.

Demopheles matorus (Provancher) new combination

Phygadeuon matorus Provancher, Nat. Canad., 1879, 11: 68; (Faune, p. 314).

♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)]

Phygadeuon matorus Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 772).

[key]

Phygadeuon matorus Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.

[key]

APSILOPS Foerster

Apsilops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Cryptus hirtifrons* Ashmead.

Dapanus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Ichneumon cinctorius* Fabricius.

Sobas Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187. Pre-occupied by Pascoe, 1863.

Genotype: *Ichneumon cinctorius* Fabricius.

Trichocryptus Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Ichneumon cinctorius* Fabricius.

Apsilops bicolor (Cushman) new combination

Trichocryptus bicolor Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 8.

♀. [o.d., Sprague, Wash. (U.S.N.M.)]

Trichocryptus atlanticus Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3.

♀. [o.d., Bladensburg, Md. (U.S.N.M.)] New synonymy.

Trichocryptus atlanticus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Trichocryptus atlanticus Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 6.

♂, ♀. [des., Mass.]

Trichocryptus bicolor Walley, Canad. Ent., 1941, 73: 166. [Sask.]

Apsilops hirtifrons (Ashmead)

Cryptus hirtifrons Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♂. [key, o.d., Tex. (U.S.N.M.)]

Cryptus cyaneiventris Riley and Howard, Insect Life, 1890, 3: 154. [host ?a, Fla.] Nomen nudum.

Cryptus cyaneiventris Hart, Bull. Ill. State Lab. Nat. Hist., 1895, 4: 270. [host b, Ill.] Nomen nudum.

Apsilops hirtifrons Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 207. ♀. [des. host c, D.C., Ill., Ohio]

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Agrothereutes (Apsilops) hirtifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key, Conn.]

Trichocryptus hirtifrons Cushman, Proc. U. S. Nat. Mus., 1920, 58: 259. [syn.]

Trichocryptus hirtifrons Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Trichocryptus hirtifrons Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 7. [syn., des., host *a*, Fla., Ill., Ohio]

Trichocryptus hirtifrons Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Trichocryptus hirtifrons Cushman, Canad. Ent., 1933, 65: 24. [syn.]

PYRAUSTIDAE: *a*, *Nymphula oblitalis*; *b*, *Nymphula* sp. MISCELLANEOUS: *c*, "pyralidid" living in water lily.

NEOSTRICKLANDIA Viereck

Neostricklandia Viereck, Canad. Ent., 1925, 57: 75.

Genotype: *Neostricklandia sericata* Viereck.

Trichestema Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 9.

Genotype: (*Trichestema helcostizoides* Cushman) = *sericata* Viereck.

Neostricklandia sericata Viereck

Neostricklandia sericata Viereck, Canad. Ent., 1925, 57: 75. ♀. [o.d., fig., Alta. (C.N.C.)]

Neostricklandia sericata Viereck, Canad. Ent., 1926, 58: 54. ♂. [des., Man.]

Trichestema helcostizoides Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 9. ♀. [o.d., fig., Bruce, S.D. (U.S.N.M.)] New synonymy.

Neostricklandia helcostizoides Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Neostricklandia helcostizoides Cushman, Proc. U. S. Nat. Mus., 1933, 82: 7. ♂, ♀. [des., Mass.]

Neostricklandia sericata Frohne, Trans. Amer. Micros. Soc., 1939, 58: 234, 325, 347. [biol., host *a b*, Mich.]

CRAMBIDAE: *a*, *Chilo forbesellus*; *b*, *Occidentalia comptulatalis*.

Subfamily 3. CRYPTINAE

Tribe 3. SPHECOPHAGINI

SPHECOPHAGA Westwood

Sphecophaga Westwood, Introd. Modern Class. Insects, 1840, 2, Gen. Syn.: 57.

Genotype: *Anomalon vesparum* Curtis.

Chyronomon Desvignes, Cat. Brit. Ichneum., 1856, p. 47.

Genotype: *Anomalon vesparum* Curtis.

Cacotropa Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208.

Genotype: (*Cacotropa sericea* Thomson) = *vesparum* Curtis.

Sphecophaga burra (Cresson)

Euceros burrus Cresson, Canad. Ent., 1869, 1: 104. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

Euceros burrus Couper, Canad. Ent., 1870, 2: 53. [biol., host *a*, Ont.]

Euceros burrus Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 426). [key, des.]

Sphecophagus? praedator Zabriskie, Jour. N.Y. Ent. Soc., 1894, 2: 84. ♂, ♀. [o.d., fig., biol., host *a?b*, N.Y. (location of types unknown)]

Cacotropa burrus Davis, Trans. Amer. Ent. Soc., 1898, 24: 288. ♂, ♀. [syn., des.]

Sphecophaga burra Dalla Torre, Cat. Hymen., 1901, 3: 281. [syn.]

Sphecophaga praedator Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 53, 57. [Que.]

Sphecophaga burra Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♂, ♀. [des.]

Sphecophaga burra Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

Sphecophaga burra Bequaert, Ent. Amer., 1932, 12: 92. [biol., host *b*, N.Y.]

Sphecophaga burra Schmiedeknecht, Ent. News, 1939, 50: 92. [biol., host *a*, parasite *a*, Pa.]

VESPIDAE: *a*, *Vespula maculata*; *b*, *Vespula maculifrons*.

Parasite: Chalcididae: *a*, *Dimmockia incongrua*.

Subfamily 3. CRYPTINAE

Tribe 4. CRYPTINI

TRYCHOSIS Foerster

Trychosis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

Genotype: *Cryptus neglectus* Tschek.

Hidryta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187. New synonymy.

Genotype: *Brachycryptus erythrocerus* Thomson.

Idiolispa Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188. New synonymy.

Genotype: *Bassus analis* Gravenhorst. (Included by Brischke, Schrift. Naturf. Ges. Danzig 1881 4, heft 1 and 2: 333, monobasic.)

Brachycryptus Thomson, Opusc. Ent., 1873, 5: 471, 487.

Genotype: *Brachycryptus erythrocerus* Thomson.

Liocryptus Thomson, Opusc. Ent., 1873, 5: 471, 489.

Genotype: *Bassus analis* Gravenhorst.

Goniocryptus of authors, not of the genotype.

Phaetrophadnus Cameron, Jour. Bombay Nat. Hist. Soc., 1906, 17: 285.

Genotype: *Phaetrophadnus striatus* Cameron.

Ethaemorpha Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565.

Genotype: *Cryptus similis* Cresson.

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Orthocryptus Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567.

Genotype: (*Cryptus monticola* Ashmead) = *sanderi* Dalla Torre.

Trychosis albisoleatus (Walsh) new combination

Cryptus? albisoleatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 80. ♂. [o.d., (?Ill.) (type destroyed)]

Trychosis albitarsis (Cresson) new combination

Cryptus albitarsis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 300. ♂. [o.d., Del. (A.N.S.P.)]

Cryptus albitarsis Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 81. [des.]

Trychosis albicaligatus (Walsh) new combination

Cryptus albicaligatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 82. ♂. [o.d., (?Ill.) (type destroyed)]

Cryptus albitarsis var. *albicaligatus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 82. [syn.]

Trychosis exulans (Cresson) new combination

Cryptus exulans Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

Trychosis frater (Cresson) new combination

Cryptus frater Cresson, Proc. Ent. Soc. Phila., 1864, 3: 303. ♀. [o.d., Ill. (A.N.S.P.)]

Cryptus frater Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 80. ♀. [des.]

Trychosis fusiformis (Provancher) new combination

Phygadeuon fusiformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 51. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Phygadeuon fusiformis Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [syn. (in part)]

Cryptus montivagus Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]

Phygadeuon fusiformis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Trychosis limatus (Cresson) new combination

Cryptus limatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 298. ♀. [o.d., Del. (A.N.S.P.), Va.]

Cryptus limatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 81. ♂. [des.]

Cryptus limatus Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]

Ischnus lentus Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (M.P.Q.)]

Cryptus limatus Provancher, Nat. Canad., 1879, 11: 135; (Faune, p. 334). ♂, ♀. [key, syn., des., fig.]

Cryptus limatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

Cryptus limatus Slosson, Ent. News, 1895, 6: 317. [N.H.]

- Cryptus limatus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
Idiolispa leniatus (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [N.J., N.Y.]
Cryptus limatus Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus linearis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn.]
 Misdetermined.
Cryptus limatus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
Agrothereutes limatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333.
 [key, Conn.]
Cryptus limatus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
Idiolispa limata Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]
Idiolispa limata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931.
 [N.Y.]
Idiolispa limata Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Trychosis montivagus (Provancher)

- Cryptus similis* Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]
 Misdetermined.
Cryptus similis Provancher, Nat. Canad., 1875, 7: 239. [Que.] Misdetermined.
Cryptus montivagus Provancher, Nat. Canad., 1877, 9: 12. ♀. [o.d., Que. (M.P.Q.)]
Cryptus montivagus Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338).
 [key, syn., des.]
Cryptus montivagus Provancher, Addit. Faune Canada, Hymén., 1886, p. 62.
 [key]
Cryptus montivagus Slosson, Ent. News, 1895, 6: 5. [N.H.]
Cryptus montivagus Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]
Trychosis montivagus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [Del.]
Cryptus montivagus Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus similis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn. (in part)]

Trychosis nigriceoxus (Provancher) new combination

- Cryptus nigriceoxus* Provancher, Addit. Faune Canada Hymén., 1888, p. 361.
 ♂. [o.d., Cap Rouge, Que. (M.P.Q.)]
Brachycryptus niger Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 7. ♂,
 ♀. [o.d., Ohio (U.S.N.M.)] New synonymy

Trychosis sanderi (Dalla Torre) new combination

- Cryptus monticola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 410. ♀. [key,
 o.d., Veta Pass, Colo. (U.S.N.M.)] Preoccupied by Cameron, 1885.
Cryptus sanderi Dalla Torre, Cat. Hymen., 1902, 3: 587. [new name for
Cryptus monticola Ashmead]
Orthocryptus monticola Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. [syn.]

Trychosis semiruber new name

Phygadeuon annulatus Provancher, Nat. Canad., 1875, 7: 179, 182. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1864.

Cryptus annulatus Provancher, Nat. Canad., 1879, 11: 140; (Faune, p. 339). [key, des.]

Cryptus annulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]

Phygadeuon fusiformis Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [syn. (in part)]

Cryptus annulatus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Cryptus annulatus Peck, Canad. Jour. Res., 1939 D, 15: 250. [fig. ♂ genitalia]

Trychosis similis (Cresson)

Cryptus similis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 299. ♀. [o.d., Del. (A.N.S.P.)]

Cryptus similis Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Idiolispa similis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

Cryptus similis Nason, Ent. News, 1905, 16: 150. [Ill.]

Cryptus similis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn. (in part)]

Ethaemorpha similis Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565. [syn.]

Trychosis similis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Trychosis similis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

Trychosis similis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

Trychosis subgracilis (Cresson) new combination

Cryptus subgracilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 303. ♀. [o.d., Ill. (A.N.S.P.)]

Cryptus rufoannulatus Provancher, Nat. Canad., 1874, 6: 177, 202. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Cryptus rufoannulatus Provancher, Nat. Canad., 1879, 11: 136; (Faune, p. 335). [key, des.]

Cryptus rufoannulatus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Cryptus rufoannulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 61, 63, 64. [key]

Cryptus rufoannulatus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Trychosis rufoannulata Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Trychosis rufoannulata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

Trychosis rufoannulatus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

Trychosis rufoannulatus Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Trychosis rufoannulatus Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 402. [Me.]

GAMBRUS Foerster

Aritranis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: *Cryptus explorator* Tschek.

Kaltenbachia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: *Cryptus ornatus* Gravenhorst.

Gambrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: *Gambrus maculatus* Brischke.

Hoplocryptus Thomson, Opusc. Ent., 1873, 5: 471, 508. New synonymy.

Genotype: *Hoplocryptus binotatulus* Thomson.

Hygrocryptus Thomson, Opusc. Ent., 1873, 5: 472, 513.

Genotype: *Cryptus carnifex* Gravenhorst.

Allocryptus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. New synonymy.

Genotype: (*Agrothereutes* (*Allocryptus*) *hyslopi* Viereck) = *ultimus* Cresson.

Gambrus affabilis (Provancher) new combination

Cryptus alacris Provancher, Nat. Canad., 1874, 6: 168, 205. [key, Que.]

Misdetermined.

Cryptus affabilis Provancher, Nat. Canad., 1877, 9: 13. ♀. [o.d., Que. (M.P.Q.)]

Cryptus affabilis Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 341). [key, syn., des.]

Cryptus affabilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

Gambrus albicollaris (Cresson) new combination

Cryptus albicollaris Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. ♀. [o.d., Comal Co., Tex. (A.N.S.P.)]

Cryptus albicollaris Nason, Ent. News, 1905, 16: 150. [Ill.]

Gambrus apicatus (Provancher) new combination

Cryptus apicatus Provancher, Nat. Canad., 1874, 6: 178, 204. ♀. [key, o.d., Que. (M.P.Q.)]

Cryptus cinctus Provancher, Nat. Canad., 1875, 7: 175, 177, ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Cryptus apicatus Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336). [key, des.]

Cryptus cinctus Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336). [key, des.]

Cryptus apicatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 62, 65. [key]

Cryptus cinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 65. [key]

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- Cryptus apicatus* Nason, Ent. News, 1905, 16: 150. [Ill.]
Hoplocryptus apicatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]
Hoplocryptus apicatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

Gambrus bituminosus (Cushman) new combination

- Cryptoideus bituminosus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 6.
 ♀. [o.d., host *a*, Flushing, N.Y. (U.S.N.M.)]
Cryptoideus bituminosus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
Hoplocryptus bituminosus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 357. ♂, ♀. [des., host *b c d e*, Conn., Ind., La., Mass., N.J., Ohio]

CURCULIONIDÆ: *a*, *Sphenophorus pertinax*. CRAMBIDÆ: *b*, *Diatraea* sp. PYRAUSTIDÆ: *c*, *Pyrausta ainsliei*; *d*, *Pyrausta nubilalis*; *e*, *Pyrausta penitalis*.

Gambrus burkei Viereck

- Cryptus* (*Gambrus*) *burkei* Viereck, Ent. News, 1909, 20: 291. ♂, ♀. [o.d., Summerdale, Calif. (U.S.N.M.)]

Gambrus canadensis (Provancher)

- Cryptus albitarsis* Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]
 Misdetermined.
?Cryptus Belangeri Provancher, Nat. Canad., 1874, 6: 177, 201. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
Nematopodius Canadensis Provancher, Nat. Canad., 1875, 7: 268. ♂. [key, o.d., Que. (M.P.Q.)]
Cryptus Canadensis Provancher, Nat. Canad., 1879, 11: 138; (Faune, p. 337). [key, syn., des.]
Cryptus nuncius Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [syn. (in part)]
Cryptus Canadensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]
Spilocryptus exareolatus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.
Cryptus canadensis Nason, Ent. News, 1905, 16: 150. [Ill.]
Agrothereutes canadensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key, Conn.]
Spilocryptus canadensis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Spilocryptus canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
Gambrus canadensis Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 58. [syn.]
Spilocryptus canadensis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
Cryptus canadensis Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Gambrus extrematis (Cresson)

- Cryptus extrematis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 304. ♀. [o.d., Pa. (A.N.S.P.), Del., Mass.]
- Cryptus samiae* Packard, Proc. Boston Soc. Nat. Hist., 1865, 9: 345. ♂, ♀. [o.d., host *e*, Norway, Me. (Harvard Univ.)] New synonymy.
- Cryptus nuncius* Riley, Amer. Ent., 1870, 2: 102. [syn. (in part), fig., biol., host *d*] Misdetermined.
- Cryptus extrematis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]
- Cryptus samiae* Riley, Ann. Rpt. Insects Mo., 1872, 4: 110–111. ♂, ♀. [des., fig., biol., host *d*]
- Cryptus nuncius* Gentry, Canad. Ent., 1877, 9: 50. [syn. (in part), host *d*, Pa.]
- Cryptus nuncius* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key, syn., des.] Misdetermined.
- Cryptus extrematis* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key, des. (in part)]
- Cryptus extrematis* Riley, Suppl. Ann. Rpt. Insects Mo., 1881, p. 52. [syn.]
- Echthrus Provancheri* Provancher, Canad. Ent., 1885, 7: 116. ♂, ♀. [o.d., a little south of Bracebridge, Muskoka, Ont. (not Vancouver Is., B.C.) (M.P.Q.)] New synonymy
- Echthrus Provancheri* Provancher, Addit. Faune Canada, Hymén., 1886, p. 118. [des., Ont.]
- Cryptus extrematis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]
- Cryptus samiae* Riederer, Jour. N.Y. Microsc. Soc., 1890, 6: 99–101. [morphology, fig.]
- Cryptus extrematis* Riley and Howard, Insect Life, 1890, 1: 154. [host *h*, S.C.]
- Cryptus extrematus* (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Cryptus extrematis* Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 67. [fig., biol., host *b e*]
- Cryptus extrematis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Cryptus extrematis* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 7. [des., host *d*, S.D.]
- Echthrus provancheri* Harrington, Canad. Ent., 1893, 25: 32. [key]
- Echthrus provancheri* Brodie, Canad. Ent., 1893, 25: 160. [correction of type locality]
- Cryptus extrematus* (!) Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
- Cryptus extrematus* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 55. [fig., biol., host *d*]
- Cryptus extrematis* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Cryptus extrematus* (!) Davis, Canad. Ent., 1895, 27: 288. [syn. (in part)]
- Cryptus extrematis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Cryptus extrematis* Harrington, Canad. Ent., 1897, 29: 44. [host *g*, B.C.]
- Spilocryptus (Cryptus) extrematis* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host *a*, N.Y.]

- Cryptus extrematis* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *c*, N.H.]
- Cryptus extrematis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Spilocryptus extrematis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J.]
- Cryptus extrematis* Howard, The Insect Book, 1902, plate 10, fig. 4.
- Spilocryptus* (*Cryptus*) *extrematus* (!) Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 209–210. [biol., host *b*, N.H.]
- Cryptus extrematis* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *d*, Me.]
- Spilocryptus extremis* (!) Smith, Jour. Econ. Ent., 1908, 1: 294–297. [biol., host *d*, N.J., N.Y.]
- Cryptus extremis* (!) Fiske and Thomson, Jour. Econ. Ent., 1909, 2: 453–459. [host *c d e*, parasite *a b f h*]
- Cryptus extrematis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
- Cryptus extrematis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host *d*, Que.]
- Agrothereutes* (*Hoplocryptus*) *extrematis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]
- Spilocryptus cecropiae* Habermehl, Ztschr. f. Wiss. Insektenbiol., 1919, 14: 239. ♀. [o.d., host *d*, no locality given (Habermehl Coll.)] New synonymy.
- Spilocryptus extrematis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. [parasite *c*]
- Cryptus extrematis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn.]
- Spilocryptus extrematis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn. (in part)]
- Spilocryptus extrematis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
- Cryptus extrematus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Cryptus cecropiae* Aue, Handbuch für den Praktischen Entomologen, 1933, abt. 1, b. 4, p. 123. [syn.]
- Spilocryptus extrematis* Gahan, Proc. Ent. Soc. Wash., 1934, 36: 124. [host *d*, parasite *g*]
- Spilocryptus extrematis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *d f*, Conn., Me., N.H., N.J., Vt.]
- Spilocryptus extrematis* Marsh, Canad. Ent., 1936, 68: 215. [parasite *h*]
- Spilocryptus extrematis* Marsh, Ecology, 1937, 18: 107–111. [biol., host *d*, parasite *b d e g h*, Ill.]
- Spilocryptus extrematis* Marsh, Ann. Ent. Soc. Amer., 1937, 30: 40–42. [biol., host *d e*, Ill.]
- Spilocryptus extrematis* Marsh, Jour. N.Y. Ent. Soc., 1938, 46: 27. [biol., host *d*, parasite *g*, Ill.]
- Spilocryptus extrematis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]

- Spilocryptus extrematis* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
Spilocryptus extrematis Beaulne, Canad. Ent., 1939, 71: 120. [host *f*, Que.]
Spilocryptus extrematis Breland, Jour. N.Y. Ent. Soc., 1940, 48: 262. [host *d*,
 parasite *k*]
Spilocryptus extrematis Gahan, Proc. U. S. Nat. Mus., 1941, 90: 482. [para-
 site *j*]

LASIOCAMPIDAE: a, *Malacosoma americanum*; b, *Malacosoma* sp. SATURNIIDAE: c, *Callosamia promethea*; d, *Samia cecropia*; e, *Samia columbia*; f, *Telea polyphemus*.
 CIMBICIDAE: g, *Trichiosoma* sp. Miscellaneous: h, bombycid? on *Gnaphalium* sp.

Parasites: ICHNEUMONIDAE: a, *Bathythrix pimplae*; b, *Gelis tenellus*; c, *Itoplectis conquisitor*; d, *Mastrus smithii*; e, *Coccygomimus aequalis*; f, *Theronia atalantae*. CHALCIDIDAE: g, *Cirrospilus inimicus*; h, *Dibrachys cavus*; i, *Dibrachys* sp.; j, *Monodontomerus subobsoletus*; k, ?*Monodontomerus* sp.

Gambrus gracilis (Provancher) new combination

- Cryptus gracilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 74. ♂.
 [key, o.d., Ottawa, Ont. (C.N.C.)]
Cryptus gracilis Davis, Canad. Ent., 1895, 27: 289. [syn., des.]
Chaeretymma gracilis Walley, Canad. Ent. 1937, 69: 116. [syn.]

Gambrus imitator (Provancher) new combination

- Cryptus imitator* Provancher, Nat. Canad., 1877, 9: 13. ♀. [o.d., Que. (M.P.Q.)]
Cryptus imitator Provancher, Nat. Canad., 1879, 11: 140; (Faune, p. 339).
 [key, des.]
Cryptus imitator Provancher, Addit. Faune Canada, Hymén., 1886, p. 65.
 [key]
Spilocryptus extrematis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.
 (in part)]

Gambrus newcomeri (Cushman) new combination

- Caenocryptus newcomeri* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 463. ♂, ♀.
 [o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)]
 TENTHREDINIDAE: a, *Ametastegia glabrata*.

Gambrus notatus (Provancher) new combination

- Cryptus notatus* Provancher, Nat. Canad., 1874, 6: 177, 202. ♂. [key, o.d., Que. (M.P.Q.)]
Cryptus notatus Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key,
 des.]
Cryptus elongatus Provancher, Nat. Canad., 1882, 13: 362; (Faune, p. 784).
 ♂. [o.d., Que. (M.P.Q.)] New synonymy.
Cryptus notatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 65. [key]
Cryptus elongatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 65.
 [key]

Oronotus albomaculatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. ♂.
[o.d., Tex. (U.S.N.M.)] New synonymy.

Cryptus notatus Nason, Ent. News, 1905, 16: 150. [Ill.]

***Gambrus nuncius* (Say) new combination**

Cryptus nuncius Say, Boston Jour. Nat. Hist., 1836, 1: 237; (Leconte Ed. 2: 693). ♀. [o.d., host *b*, Pa. (type destroyed)]

Cryptus nuncius Riley, Amer. Ent., 1870, 2: 102. [syn. (in part)]

Cryptus nuncius Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [host *e*, Tex.]

Cryptus nuncius Riley, Ann. Rpt. Insects Mo., 1872, 4: 111, 123. [des., host *c*] *Cryptus nuncius* Westcott, Canad. Ent., 1873, 5: 138. [host *d*, Ill.]

Cryptus nuncius Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, Que.]

Cryptus nuncius Gentry, Canad. Ent., 1877, 9: 50. [syn. (in part)]

Cryptus nuncius Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). ♀. [key, syn., des. (in part)]

Cryptus nuncius Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]

Cryptus nuncius Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1886, 4: 113. [biol., host *b*]

Cryptus nuncius Riley and Howard, Insect Life, 1890, 1: 154. [host *c d*, Mo., Neb., Pa., S.D., Tex.]

Cryptus nuncius Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Cryptus nuncius Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 5, 7. [des., biol., host *f*, S.D.]

Cryptus nuncius Morgan, Bull. La. Agr. Exp. Sta., 1897, 48: 159. [host *e*, La.]

Spilocryptus nuncius Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [host *a*]

Cryptus nuncius Howard, The Insect Book, 1902, plate 10 fig. 9.

Cryptus nuncius Nason, Ent. News, 1905, 16: 150. [Ill.]

Cryptus nuncius Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [host *c d*, N.J.]

Agrothereutes nuncius Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]

Cryptus nuncius Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Cryptus (Spilocryptus) nuncius Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn.]

Agrothereutes nuncius Champlain, Psyche, 1922, 29: 99. [host *c*, Pa.]

Cryptus nuncius Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Spilocryptus nuncius Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Spilocryptus nuncius Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [host *e*, Me.]

Spilocryptus nuncius Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

Spilocryptus nuncius Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *c*, Conn., Mass., N.H., N.J., R.I., Vt.]

Spilocryptus nuncius Brimley, Insects of N.C., 1938, p. 406. [N.C.]

PYRAUSTIDAE: a, *Pyrausta thesusalis*. PHALAENIDAE: b, *Alabama argillacea*. SATURNIIDAE: c, *Callosamia promethea*; d, *Samia cecropia*; e, *Telega polyphemus*. CIMBICIDAE: f, *Cimbex americana*.

Gambrus ornatus (Provancher) new combination

Cryptus ornatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. ♀. [o.d. in key, (Ottawa, Ont.) (C.N.C.)]

Cryptus scutellatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 69. ♀. [des., Ont.] Lapsus for *Cryptus ornatus*, *Cryptus scutellatus* is preoccupied by Smith, 1858.

Cryptus ornatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 360. [syn.]

Cryptus ornatus Davis, Canad. Ent., 1895, 27: 289. [syn.]

Cryptus zoesmairi Dalla Torre, Cat. Hymen., 1902, 3: 595. [new name for *Cryptus scutellatus* Prov.]

Agrothereutes (Habrocryptus) graenicheri Viereck, Ent. News, 1904, 15: 333. ♀. [o.d., host a, Milwaukee, Wis. (A.N.S.P.)] New synonymy.

Habrocryptus graenicheri Graenicher, Ent. News, 1905, 16: 43-49. [biol., host a, Wis.]

Agrothereutes (Habrocryptus) graenicheri Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]

Cryptus ornatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

Hoplocryptus ornatus Walley, Canad. Ent., 1937, 69: 116. [syn.]

CERATINIDAE: a, *Ceratina dupla*.

Gambrus sordidus (Provancher) new combination

Cryptus sordidus Provancher, Addit. Faune Canada, Hymén., 1886, p. 67. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Cryptus extrematus (!) Davis, Canad. Ent., 1895, 27: 288. [syn. (in part)]

Gambrus tunicularubra (Fyles) new combination

Trychosis tunicula-rubra Fyles, Canad. Ent., 1896, 28: 148-150. ♂, ♀. [o.d., biol., host a, (?Levis, Que.)] An authentic specimen, possibly the type, is in the U.S.N.M.)

Trychosis tunicula-rubra Fyles, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 73. [fig., biol.]

Trychosis tunicula-rubra Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

GELECHIIDAE: a, *Gnorimoschema gallaeasteriella*.

Gambrus ultimus (Cresson) new combination

Cryptus ultimus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 305. ♀. [o.d., Colo. (A.N.S.P.)]

Cryptus incertus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 306. ♀. [o.d., Del. (A.N.S.P.)] Preoccupied by Ratzeburg, 1852. New synonymy.

Cryptus ultimus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

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- Cryptus incertus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. [des., Tex.]
Cryptus ultimus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 83. ♀. [des.]
Phygadeuon longicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 52.
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.
Hemiteles annulicornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♀.
 [key, o.d., Tex. (U.S.N.M.)] New synonymy.
Cryptus ultimus Riley and Howard, Insect Life, 1890, 1: 154. [host *c*, Mo.]
Cryptus incertus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
Cryptus incertus Davis, Canad. Ent., 1895, 27: 287. [syn., des.]
Cryptus ultimus Harrington, Canad. Ent., 1897, 29: 44. ♂. [B.C.]
Spilocryptus incertus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [N.Y.]
Cryptus incertus Nason, Ent. News, 1905, 16: 150. [Ill.]
Agrothereutes (Alloccryptus) hyslopi Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 333. (♀). [o.d. in key, Stonington, Conn. (Conn. Agr. Exp.
 Sta.)] New synonymy.
Spilocryptus exannulatus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 529. ♂,
 ♀. [o.d., host *c*, North East, Pa. (U.S.N.M.)] New synonymy.
Hoplocryptus incertulus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [new
 name for *Cryptus incertus* Cresson]
Cryptus incertus Lewis, Jour. Econ. Ent., 1925, 18: 611. [host *a*]
Hoplocryptus incertulus Dunnam, Jour. Agr. Res., 1927, 34: 154. [host *a*, Ia.]
Hoplocryptus incertulus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
 101: 931. [N.Y.]
Hoplocryptus incertulus Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host
b, N.J.]
Gambrus incertus Balduf, Ohio Jour. Sci., 1929, 29: 235. [des., biol., host *d*,
 Ill.]
Cryptus hyslopi Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:
 100. [Mass.]
Hoplocryptus incertulus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,
 no. 2: 101. [Mass.]
Hoplocryptus incertulus Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *b*, N.J.]
Hoplocryptus incertulus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152.
 [Ia.]
Spilocryptus exannulatus Fink, Jour. Agr. Res., 1932, 44: 555, 556. [fig., biol.,
 host *a*, N.J.]
Hoplocryptus incertulus Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187:
 14-16. [host *b*, N.Y.]
Hoplocryptus incertulus McConnell, Jour. Econ. Ent., 1932, 25: 368, 369. [host
a b, Md.]
Hoplocryptus incertulus Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *b*,
 Mich.]
Hoplocryptus incertulus McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441,
 445. [host *b*, Md.]

Hoplocryptus incertulus Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 33-35. [biol., host *a*, Del.]

Agrothereutes hyslopi Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *b*, Conn.]

Hoplocryptus incertulus Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Cryptus rufus Brimley, Insects of N.C., 1938, p. 407. [N.C.] Misdetermined.

Spilocryptus hyslopi Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]

Hoplocryptus incertulus Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

OLETHREUTIDAE: *a*, *Ancylics complana*; *b*, *Grapholitha molesta*; *c*, *Polychrosis viteana*.

PYRAUSTIDAE: *d*, *Phlyctaenia tertialis*. TENTHREDINIDAE: *e*, *Euura salicisnodus*.

AGROTHEREUTES Foerster

Agrothereutes Foerster, Wiegmann's Arch. Naturg., 1850, 16, pt. 1: 71.

Genotype: *Pezomachus abbreviator* Gravenhorst.

Spilocryptus Thomson, Opusc. Ent., 1873, 5: 472, 501. New synonymy.

Genotype: *Spilocryptus zygaenarum* Thomson.

Agrothereutes cimbcivorus (Cushman) new combination

Spilocrpytus (!) *cimbcivorus* Cushman, Proc. U. S. Nat. Mus., 1925, 64, art. 4: 8. ♂, ♀. [o.d., host *a*, Brookings, S.D. (U.S.N.M.)]

Spilocryptus cimbicivorus (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

CIMBICIDAE: *a*, *Cimbex americana*.

Agrothereutes iridescens (Cresson) new combination

Cryptus iridescens Cresson, Proc. Ent. Soc. Phila., 1864, 3: 296. ♂. [o.d., Del. (A.N.S.P.)]

Cryptus soror Cresson, Proc. Ent. Soc. Phila., 1864, 3: 296. ♂. [o.d., Del. (A.N.S.P.)] Preoccupied by Trentepol, 1829. New synonymy.

Cryptus iridescens Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [des.]

Cryptus albonotatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 75. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Cryptus soror Davis, Canad. Ent., 1895, 27: 287. [syn. (in part)]

Cryptus albonotatus Davis, Canad. Ent., 1895, 27: 290. [syn.]

Cryptus iridescens Dalla Torre, Cat. Hymen., 1902, 3: 576. [syn. (in part)]

Cryptus soror Nason, Ent. News, 1905, 16: 151. [Ill.]

Spilocryptus propodeum Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. ♂. [o.d., host *a*, North East, Pa. (U.S.N.M.)] New synonymy.

Spilocryptus albonotatus Walley, Canad. Ent., 1937, 69: 116. [syn.]

Cryptus iridescens Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OLETHREUTIDAE: *a*, *Polychrosis viteana*.

Agrothereutes lophyri (Norton)

Cryptus Lophyri Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. ♂, ♀. [o.d., host *b*, Conn. (A.N.S.P.)]

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Agrothereutes (Itamoplex) lophyri Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key]

Cryptus lophyri Hartley, Jour. Econ. Ent., 1923, 16: 387. [host *a*, Pa.]

Spilocryptus lophyri Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

Spilocryptus lophyri Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

DIPRIONIDAE: *a*, *Diprion similis*; *b*, *Neodiprion abietis*.

***Agrothereutes major* (Davis) new combination**

Aptesis major Davis, Ent. News, 1893, 4: 32. ♀. [o.d., Agricultural College, Mich. (Mich. State College)]

Agrothereutes microalatus Cushman, Proc. U.S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., New England (U.S.N.M.)] New synonymy.

Agrothereutes slossonae Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.

Agrothereutes slossonae Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *a*, Me.]

Agrothereutes slossonae Pierson and Brown, Bull. Me. Forest Service and Me. Hardwood Ass., 1936, 11: 28, 29. [host *c*, Me.]

Agrothereutes slossonae Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [host *c*, Me.]

Agrothereutes slossonae Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host *b*, Conn., N.B.]

Agrothereutes slossonae Pierson and Nash, Bull. Me. Forest Service, 1940, 12: 16. [host *b*, Me.]

COLEOPHORIDAE: *a*, *Coloephora salmani*. DIPRIONIDAE: *b*, *Diprion hercyniae*. TENTHREDINIDAE: *c*, *Phyllotoma nemoralis*.

***Agrothereutes neodiprionis* (Cushman) new combination**

Spilocryptus neodiprionis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 393. ♂, ♀. [o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

Spilocryptus neodiprionis Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

***Agrothereutes rufopectus* Cushman**

Agrothereutes rufopectus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., Bilby, Alta. (U.S.N.M.)]

***Agrothereutes similis* (Provancher) new combination**

Phygadeuon similis Provancher, Addit. Faune Canada, Hymén., 1886, p. 57. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Cryptus soror Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]

ISCHNUS Gravenhorst

Ischnus Gravenhorst, Ichneum. Europeae, 1829, 1: 638.

Genotype: *Ichneumon porrectorius* Fabricius.

Habrocryptus Thomson, Opusc. Ent., 1873, 5: 471, 498.

Genotype: *Ichneumon porrectorius* Fabricius.

Erythrocryptus Cameron, Invertebrata Pacifica, 1905, 1: 126. New synonymy.

Genotype: *Erythrocryptus rufus* Cameron

Ischnus atriceps (Cresson) new combination

Cryptus atriceps Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♀. [o.d., Great Salt Lake, Ut. (A.N.S.P.)]

Gambrus atriceps Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

?*Erythrocryptus rufus* Cameron, Invertebrata Pacifica, 1903, 1: 126. ♀. [o.d., mountains near Claremont, Calif. (British Mus.)] New synonymy.

Gambrus venablesi Viereck, Canad. Ent., 1924, 56: 65. ♀. [o.d., Vernon, B.C. (C.N.C.)] New synonymy.

Ischnus atricollaris (Walsh)

Cryptus atricollaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 72. ♂, ♀. [o.d., (?Ill.) (type destroyed)]

Cryptus varius Provancher, Nat. Canad., 1874, 6: 177, 200. ♂. [key, o.d., Que. (type lost)]

Ischnus exilis Provancher, Nat. Canad., 1875, 7: 111. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Cryptus exilis Provancher, Nat. Canad., 1879, 11: 133; (Faune, p. 332). [key, des.]

Cryptus atricollaris Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 341). [key, syn., des.]

Cryptus atricollaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66. [key]

Cryptus exilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

Cryptus amblytelarius Provancher, Addit. Faune Canada, Hymén., 1886, p. 70. ♂. [key, o.d., St. Angèle de Laval, Que. (M.P.Q.)] New synonymy.

Cryptus atricollaris Riley and Howard, Insect Life, 1890, 1: 154, [host *a*, Ill., Mo.]

Cryptus atricollaris var. Slosson, Ent. News, 1895, 6: 5. [N.H.]

Cryptus exilis Slosson, Ent. News, 1897, 8: 237. [N.H.]

Spilocryptus neomexicana Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Cryptus atrocollaris (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Spilocryptus atricollaris Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

- Spilocryptus atricollaris* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Cryptus amblytelarius Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
Spilocryptus exilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
Ischnus exilis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Spilocryptus atricollaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
Cryptus exilis Brown, Canad. Ent., 1934, 66: 262. [Ont.]
Ischnus amblytelarius Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]
Ischnus atricollaris Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]
- Miscellaneous: a, ?leaf roller on plum.

***Ischnus fraterculus* (Provancher) new combination**

- Phygadeuon fraterculus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 55.
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]
Cryptus fraterculus Davis, Canad. Ent., 1895, 28: 287. [syn.]
Spilocryptus polychrosidis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 461.
 ♂, ♀. [o.d., host b, North East, Pa. (U.S.N.M.)] New synonymy.
Spilocryptus polychrosidis Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host b, Mich.]
Spilocryptus polychrosidis Dunnam, Jour. Agr. Res., 1927, 34: 154. [host a, Ia.]
Spilocryptus polychrosidis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
Spilocryptus polychrosidis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
Ischnus polychrosidis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]
Cryptus fraterculus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- OLETHREUTIDAE: a, *Ancylis comptana*; b, *Polychrosis viteana*.

***Ischnus oregonensis* Cushman**

- Ischnus oregonensis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. ♂, ♀.
 [o.d., host a, Sweet Home, Ore. (U.S.N.M.), Mont.]
Ischnus oregonensis Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.
 [biol., host a, Ore.]
- DIPRIONIDAE: a, *Neodiprion tsugae*.

***Ischnus pinguis* (Provancher) new combination**

- Phaeogenes pinguis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 43.
 ♀. [key, o.d., Ottawa, Ont. [C.N.C.]]
Cryptus pinguis Davis, Canad. Ent., 1895, 27: 287. [des.]

***Ischnus triannulatus* (Provancher) new combination**

- Phygadeuon 3-annulatus* Provancher, Nat. Canad., 1882, 13: 335, 355; (Faune, p. 777). ♀. [o.d., Que. (M.P.Q.)]

Phygadeuon 3-annulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

?*Cryptus 3-annulatus* Provancher, Addit. Faune Canada, Hymén. 1886, p. 74. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Cryptus? *3-annulatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Ischnus triannulatus Walley, Canad. Ent., 1937, 69: 116. [syn.]

CHROMOCRYPTUS Ashmead

Chromocryptus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 41.

Genotype: (*Chromocryptus albopictus* Ashmead) = *planosae* Fitch.

Mesostenimorpha Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566.

Genotype: (*Cryptus nebraskensis* Ashmead) = *planosae* Fitch.

Chromocryptus planosae (Fitch)

Phygadeuon Planosae Fitch, Trans. N.Y. State Agr. Soc., 1856, 15: 501. [o.d., host *b*, N.Y. (U.S.N.M.)]

Cryptus nebraskensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., West Point, Neb. (U.S.N.M.)]

Cryptus bellus Riley and Howard, Insect Life, 1890, 1: 154. [host *c*, N.Y.] *Nomen nudum*.

Chromocryptus albopictus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 41. [o.d. in key, (Urbana, Ill.) (U.S.N.M.)]

Phygadeuon planosae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Mesostenimorpha nebraskensis Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. [syn.]

Agrothereutes (Itamoplex) cressoni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. (♀). [o.d. in key, (Conn.) (A.N.S.P.)] New synonymy.

Phygadeuon planosae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, des.]

Chromocryptus albopictus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 254. [des., Ill.]

Chromocryptus nebraskensis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 7. [syn., host *c*, Conn., N.Y., Pa.]

Chromocryptus nebraskensis Champlain, Psyche, 1922, 29: 99. [host *c*, Pa.]

Chromocryptus planosae Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Chromocryptus planosae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [host *b c*, N.Y.]

Chromocryptus nebraskensis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *a*, Conn., Mass.]

LASIOCAMPIDAE: *a*, *Epicnaptera americana*; *b*, *Tolyte laricis*, *c*, *Tolyte vellida*.

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LYMEON Foerster

Lyneon Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Lyneon annulicornis* Ashmead) = *orbum* Say.

Diapetimorpha Viereck, Proc. U. S. Nat. Mus., 1913, 44: 564.

Genotype: (*Cryptus armatus* Ashmead) = *introitum* Cresson.

Lyneon acadia (Cushman) new combination

Diapetimorpha acadia Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 35.

♂, ♀. [key, o.d., La. (U.S.N.M.), Ala., D.C., Ky., N.C., Tex.]

Diapetimorpha acadia Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Lyneon alabama (Cushman) new combination

Diapetimorpha alabama Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 34.

♂, ♀. [key, o.d., Pyziton, Clay Co., Ala. (U.S.N.M.), Md., N.Y.]

Diapetimorpha alabama Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Lyneon cinctiventris (Cushman) new combination

Mesostenus laticinctus Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., La.

(A.N.S.P.)] Preoccupied by Walker 1874.

Mesostenus laticinctus Foster, Proc. La. Soc. Nat. for 1897-1899, 1900, p. 63.

[La.]

Mesostenus cressonii Dalla Torre, Cat. Hymen., 1901, 3: 539. [new name for

Mesostenus laticinctus Cresson] Preoccupied by Ashmead, 1900.

Diapetimorpha cinctiventris Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16:

32. ♀. [key, des., S.C. new name for *Mesostenus laticinctus* Cresson]

Lyneon confederatus (Cushman) new combination

Diapetimorpha confederata Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16:

34. ♀. [key, o.d., Dallas, Tex. (U.S.N.M.), Fla.]

Lyneon introitus (Cresson) new combination

Mesostenus introitus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♂. [o.d.,

Bosque Co., Tex. (U.S.N.M.)]

Mesostenus dejectus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. ♀. [o.d.,

Comal Co., Tex. (A.N.S.P.)]

Cryptus armatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♂. [key,

o.d., Tex. (U.S.N.M.)] Preoccupied by Lucas, 1846.

Cryptus ashmeadii Dalla Torre, Cat. Hymen., 1902, 3: 562. [new name for

Cryptus armatus Ashmead]

Diapetimorpha armatus Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565. [syn.]

Diapetimorpha introita Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 5,

36. ♂, ♀. [key, syn., des., fig., La., Tex.]

Lyneon orbis (Say) new combination

Cryptus orbis Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed. 2: 688).

(♀). [Ind. (type destroyed)]

- Hemiteles orbus* Walsh, Canad. Ent., 1869, 2: 9. [syn.]
Mesostenus diligens Cresson, Canad. Ent., 1878, 10: 207. ♀. [o.d., Ill. (A.N.S.P.)]
Lymeon annulicornis Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)]
Crypturoopsis annulicornis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 521. [des.]
Crypturoopsis diligens Cushman, Proc. U. S. Nat. Mus., 1919, 55: 521. [syn.]
Crypturoopsis orbus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn., host *e*, Md.]
Diapetimorpha orba Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 5, 30. ♂, ♀. [key, syn., des., fig., host *a c d*, Ala., Ga., La., Md., Mo., Tex., Va.]
Diapetimorpha orba Haeussler, Jour. Agr. Res., 1930, 41: 366. [host *c e*, Va.]
Cryptieropsis (!) *orbus* Creighton, Jour. Econ. Ent., 1937, 30: 595. [host *b*, Fla.]
Diapetimorpha orba Brimley, Insects of N.C., 1938, p. 407. [N.C.]

COLEOPHORIDAE: *a*, *Coleophora* sp. on *Polygonum* sp. MOMPIDAE: *b*, *Homaledra sabelella*. OLETHREUTIDAE: *c*, *Grapholitha molesta*. GNAPHOSIDAE: *d*, eggs of *Zelotes* sp. Miscellaneous: *e*, spider's eggs.

***Lymeon rufigaster* (Cushman) new combination**

- Diapetimorpha rufigaster* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 33. ♀. [key, o.d. Potomac Cr., Va. (U.S.N.M.)]

ACERASTES Cushman

- Acerastes* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 53.

Genotype: *Mesostenus pertinax* Cresson.

***Acerastes pertinax* (Cresson)**

- Mesostenus pertinax* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]
Acerastes pertinax Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 5, 54. [des., fig., Mexico, Tex.]

POLISTIPHAGA Cushman

- Polistiphaga* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.

Genotype: *Mesostenus arvalis* Cresson.

***Polistiphaga fulva* (Cresson)**

- Mesostenus? fulvus* Cresson, Proc. Ent. Soc., Phila., 1864, 3: 316. ♂. [o.d., Ill. (A.N.S.P.)]
Mesostenus arvalis Cresson, Trans. Amer. Ent. Soc., 1872, 14: 163. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]
Mesostenus collaris Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 162. ♂. [key, o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy:

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- Mesostenus arvalis* Riley and Howard, Insect Life, 1890, 1: 153. [host *f*, Kans., Tex.]
- Mesostenus arvalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [host *f*]
- Mesostenidea* (*Christolia*) *arvalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329, 330. [key, host *c*]
- Polistiphaga arvalis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Polistiphaga arvalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]
- Polistiphaga fulva* Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 5, 55. [key, des., fig., host *f*, Ark., Calif., Ill., Kans., Md., N.Y., Ont., Tex., Va., Wis.]
- Christelia* (!) *arvalis* Rau, Psyche, 1931, 38: 144. [host *d*, Mo.]
- Polistiphaga fulva* Rau, Bull. Brooklyn Ent. Soc., 1931, 26: 114. [host *e*, Ill.]
- Polistiphaga fulva* Dow, Psyche, 1932, 39: 16. [biol., host *c*, N.Y.]
- Polistiphaga fulva* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Polistiphaga arvalis* Gaul, Canad. Ent., 1940, 72: 240-242. [biol., host *b c*, parasite *a*, N.J., N.Y.]
- Polistiphaga fulva* Rau, Ann. Ent. Soc. Amer., 1941, 34: 364. [biol., host *a c d*, Mo.]

VESPIDAE: *a*, *Polistes canadensis annularis*; *b*, *Polistes fuscatus*; *c*, *Polistes fuscatus pallipes*; *d*, *Polistes fuscatus rubiginosus*; *e*, *Polistes fuscatus variatus*; *f*, *Polistes* sp.

Parasite: CHALCIDIDAE: *a*, *Dibrachys cavus*.

***Polistiphaga stupida* (Cresson) new combination**

- Mesostenus stupidus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 159. ♀. [key, o.d., Orizaba, Mexico (A.N.S.P.)]
- Polistiphaga zonata* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 56. ♀. [key, o.d., fig., host *a*, Victoria, Tex. (U.S.N.M.)] New synonymy.
- VESPIDAE: *a*, *Polistes* sp.

CHRISTOLIA Brullé

- Christolia* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 246.
- Genotype: *Christolia punctata* Brullé.
- Crypturopsis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45. New synonymy.
- Genotype: *Crypturus texanus* Ashmead.
- Lamprocryptidea* Viereck, Proc. U. S. Nat. Mus. 1913, 46: 376. New synonymy.
- Genotype: *Lamprocryptidea magnifica* Viereck.
- Haplomus* Szépligeti, Ann. Mus. Nat. Hungary, 1916, 14: 283. Preoccupied by Agassiz, 1846. New synonymy.
- Genotype: *Haplomus pulcher* Szépligeti. (by present designation).
- Applomiana* Strand, Int. Ent. Ztschr., 1917, 10: 137, [new name for *Haplomus* Szépligeti].

Christolia armata (Provancher) new combination

Mesostenus armatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 76.

♀. [o.d., Ottawa, Ont. (C.N.C.)]

Mesostenus (Otaustes) armatus Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

Crypturopsis? armatus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 26, 29. ♀. [key, des.]

Christolia audax (Cresson) new combination

Mesostenus candidus Cresson, Canad. Ent., 1878, 10: 206. ♂. [o.d., N.Y. (A.N.S.P.)] New synonymy.

Mesostenus audax Cresson, Canad. Ent., 1878, 10: 207. ♀. [o.d., Ga. (A.N.S.P.)]

Mesostenus exaptus Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., Mass. (A.N.S.P.)]

Crypturus albomaculatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 414. ♂. [o.d., Mich. (U.S.N.M.)]

Crypturus albomaculatus Ashmead, Canad. Ent., 1897, 29: 114. ♂. [key]

Mesostenus candidus Slosson, Ent. News, 1900, 11: 320. [N.H.]

Endurus albomaculatus Dalla Torre, Cat. Hymen., 1901, 3: 528. [syn.]

Mesostenidea exapta Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329. [key]

Mesostenidea candida Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

Crypturopsis candidus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Crypturopsis candidus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Crypturopsis audax Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 25. ♀. [key, des., fig., Ala., Md., N.J., Pa., Va.]

Crypturopsis candidus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 27. ♂. [key, des., Fla., Mass.]

Crypturopsis candidus Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Christolia dumetorum new name

Crypturopsis abdominalis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 28. ♀. [key, o.d., fig., Put-in-Bay, Ohio (U.S.N.M.)] Preoccupied in *Christolia* by Cresson, 1873.

Crypturopsis abdominalis Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Christolia fortis (Cresson) new combination

Mesostenus fortis Cresson, Canad. Ent., 1878, 10: 206. ♀. [o.d., N.Y. (A.N.S.P.)]

Mesostenidea fortis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

Crypturopsis fortis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

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Crypturopsis fortis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Crypturopsis fortis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 28. ♂, ♀. [key, des., Pa.]

Christolia saundersi (Cresson) new combination

Mesostenus saundersi Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., Canada West (A.N.S.P.)]

Crypturopsis saundersi Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 26. [key, des.]

Christolia texana (Ashmead) New combination.

Crypturus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 413. ♂. [o.d., Tex. (U.S.N.M.)]

Crypturus Dyari Ashmead, Canad. Ent., 1897, 29: 113. ♂, ♀. [key, o.d., host *a.* (Fla.) (U.S.N.M.)]

Crypturus texanus Ashmead, Canad. Ent., 1897, 29: 113. ♂. [key]

Crypturus dyari Dyar, Jour. N.Y. Ent. Soc., 1897, 5: 126. [biol.; host *a.* Fla.]

Crypturopsis texanus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45. [syn.]

Crypturopsis dyari Dalla Torre, Cat. Hymen., 1901, 3: 536. [syn.]

Crypturopsis texanus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 5, 24. ♂, ♀. [key, syn., des., fig., Ala., Fla., La., Tex.]

Crypturopsis texanus Brimley, Insects of N.C., 1938, p. 407. [N.C.]

LIMACODIDAE: *a.* *Alarodia slossoniae*.

COMPSOCRYPTUS Ashmead

Cryptoides Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42. New synonymy.

Genotype: *Cryptus purpuripennis* Cresson.

Compsocryptus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43.

Genotype: *Cryptus calipterus* Say.

Callicryptus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43. New synonymy.

Genotype: (*Cryptus fasciatus* (!) Brullé) = *fasciipennis* Brullé.

Stictocryptus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 243. Preoccupied by Cameron 1907).

Genotype: (*Cryptus fasciatipennis* (!) Brullé) = *fasciipennis* Brullé.

Compsocryptus buccatus (Cresson)

Cryptus buccatus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Compsocryptus buccatus Roman, Ent. Tidskr., 1910, 31: 153. [Tex.]

Compsocryptus calipterus (Say)

Cryptus calipterus Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 690). ♀. [o.d., "Mexico" (type destroyed)]

Cryptus calipterus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. ♂, ♀. [des., Tex.]

- Cryptus calipterus* Cresson, Rpt. Wheeler Expl. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Ariz.]
- Cryptus calipterus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 362. [des., Calif., Ut.]
- Cryptus calipterus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 438. [syn. (in part)]
- Compsocryptus calipterus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43. [syn.]
- Compsocryptus caliptera* Howard, The Insect Book, 1902, plate 10, fig. 26.
- Compsocryptus* (!) *brevicornis* Cameron, Invertebrata Pacifica, 1903, 1: 127. ♀. [o.d., Claremont, Calif. (?British Mus.)] New synonymy.
- Cryptus* (*Mansa*?) *politicalypterus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293. ♂. [o.d., Bill Williams Fork, Ariz. (Univ. Kans.)] New synonymy.
- Cryptus* (*Callicryptus*) *calipterus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320. [des., Kans.]
- Cryptus sororius* Roman, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn. (in part)]
- Compsocryptus calipterus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn., des., Mexico, N.M., Tex.]

***Compsocryptus cestus* (Say)**

- Cryptus cestus* Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 691). ♀. [o.d., Ind. (type destroyed)]
- Compsocryptus?* *cestus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn.]

***Compsocryptus crotchii* (Cresson) new combination**

- Cryptus Crotchii* Cresson, Proc. Acad. Nat. Sci., Phila., 1878, p. 362. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

***Compsocryptus edwardii* (Cresson) new combination**

- Cryptus Edwardii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♀. [o.d., Calif. (A.N.S.P.)]

***Compsocryptus fasciipennis* (Brullé) new combination ***

- Cryptus fasciipennis* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 191. ♂, ♀. [o.d., Cuba (Paris Mus.)]

***Compsocryptus fletcheri* (Provancher) new combination**

- Cryptus Fletcheri* Provancher, Addit. Faune Canada, Hymén., 1888, p. 361. ♀. [o.d., Vancouver Is., B.C. (M.P.Q.)]
- Cryptus calipterus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 438. [syn. (in part)]
- Cryptus Fletcheri* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

* In the Townes Collection is a male from Matacumbe Key, Fla., collected March 24, 1936 by W. G. Bodenstein.

Compsocryptus purpuripennis (Cresson) new combination

Cryptus purpuripennis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 364. ♀.
[o.d., Calif. (A.N.S.P.)]

Cryptoides purpuripennis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42.
[syn.] Based on misdetermined specimen.

Cryptus purpuripennis Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74.
[Ut.]

Compsocryptus resolutus (Cresson) new combination

Cryptus resolutus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♂.
[o.d., Calif. (A.N.S.P.)]

Cryptus resolutus Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

Compsocryptus retentor (Brullé)

Cryptus retentor Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 192. ♀. [o.d.,
Carolina (Paris Mus.)]

Cryptus comalensis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♀. [o.d.,
Comal Co., Tex. (A.N.S.P.)] New synonymy.

Cryptus nigripennis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♀.
[key, o.d., N.J. (U.S.N.M.)] New synonymy.

Cryptus retentus (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
[N.Y., Pa.]

Compsocryptus retentor Rühl, Soc. Ent., 1924, 39: 44. [host a]

Compsocryptus retentor Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Compsocryptus retentor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 931. [N.Y.]

Cryptus retentor Brimley, Insects of N.C., 1938, p. 407. [N.C.]

MEGALOPYGIDAE: a, *Megalopyge opercularis*.

Compsocryptus sororius (Cresson) new combination

Cryptus sororius Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♂. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]

Cryptus sonorius (!) Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]

Cryptus sororius Roman, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn. (in
part)]

Compsocryptus turbatus (Cresson) new combination

Cryptus turbatus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♀.
[o.d., Calif. (A.N.S.P.)]

CRYPTUS Fabricius *

Cryptus Fabricius, Syst. Piez., 1804, p. 70.

Genotype: *Cryptus viduatorius* Fabricius.

* Preoccupied by Jurine 1801, but *Cryptus* Jurine 1801 has been set aside by the
International Commission on Zoological Nomenclature in Opinion 135, 1939.

Trachysphyrus Haliday, Trans. Linn. Soc. London, 1836, 17: 317. New synonymy.

Genotype: *Trachysphyrus imperialis* Haliday.

Meringopus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Cryptus* (*Meringopus*) *palmipes* Kokujev.

Itamoplex Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: (*Cryptus americanus* Cresson) = *albitarsis* Cresson.

Goniocryptus Thomson, Opusc. Ent., 1873, 5: 471, 490.

Genotype: *Ichneumon titillator* Linnaeus.

Hedycryptus Cameron, Ztschr. Hymen. Dipt., 1903, 3: 298.

Genotype: *Hedycryptus filicornis* Cameron.

Cyanocryptus Cameron, Ent., 1903, 36: 121. New synonymy.

Genotype: *Cyanocryptus metallicus* Cameron.

Steriphocryptus Cameron, Ent., 1903, 36: 233.

Genotype: *Steriphocryptus luteus* Cameron.

Lamprocryptus Cameron, Trans. Amer. Ent. Soc., 1910, 35: 435-436. Preoccupied by Schmiedeknecht, 1904.

Genotype: *Cryptus kinbergi* Holmgren.

***Cryptus albitarsis albitarsis* (Cresson)**

Ichneumon vinctus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 70; (Leconte Ed. 1: 375). ♂. [o.d. (type destroyed).] Preoccupied by Schrank, 1781.

Ischnus albitarsis Cresson, Proc. Ent. Soc. Phila., June 1864, 3: 194. ♂. [o.d., Ill. (A.N.S.P.)]

Cryptus americanus Cresson, Proc. Ent. Soc. Phila., Sept. 1864, 3: 297. ♀. [o.d., Ill. (A.N.S.P.)]

Cryptus americanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

Cryptus americanus Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [syn. desc.]

Cryptus nigricalceatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [o.d., (?Ill.) (type destroyed)] New synonymy.

Cryptus albitarsis var. *nigricalceatus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 77. [syn.]

Cryptus? albitarsis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 76. ♂. [des.]

Cryptus americanus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 79. ♀. [des.]

Cryptus americanus Provancher, Nat. Canad., 1874, 6: 177, 202. [key, des., Que.]

Cryptus nigricornis Provancher, Nat. Canad., 1874, 6: 177, 201. ♂. [key, o.d., Que. (M.P.Q.)] Preoccupied by Brullé, 1846.

Mesostenus tarsatus Provancher, Nat. Canad., 1875, 7: 265, 267. ♂. [key, o.d., Que. (type lost)] Preoccupied by Cresson, 1865.

Nematopodius coxatus Provancher, Nat. Canad., 1875, 7: 269. ♂. [key, o.d., Que. (type lost)]

Ichneumon vinctus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

- Cryptus albitarsis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
Hoplismenus impar Provancher, Nat. Canad., 1879, 11: 3; (Faune, p. 292). ♀
 (not ♂). [key, o.d., Que. (M.P.Q.)] New synonymy.
Cryptus americanus Provancher, Nat. Canad., 1879, 11: 135; (Faune, p. 333).
 ♂, ♀. [key, syn., des.]
Cryptus nigricornis Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338).
 [key, des.]
Cryptus Americanus Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66.
 [key]
Cryptus nigricornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 66.
 [key]
Cryptus americanus Riley and Howard, Insect Life, 1890, 1: 153. [host *d e*,
 Colo., Ill., Tex., Va.]
Cryptus americanus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
Cryptus americanus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
Cryptus nigricalceatus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
Cryptus impar Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]
Spilocryptus canarsiae Ashmead, Proc. Ent. Soc. Wash., 1897, 4: 124. ♂.
 [o.d., fig., host *c*, Champaign, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.
Cryptus americanus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Cryptus americanus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [N.J.]
Itamoplex americanus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 570. [N.J., N.Y.]
Itamoplex nigricornis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [N.Y.]
Cryptus purneri Dalla Torre, Cat. Hymen., 1902, 3: 585. [new name for
Cryptus nigricornis Provancher]
Cryptus americanus Howard, The Insect Book, 1902, plate 10, fig. 2.
Cryptus albitarsis Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus americanus Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus nigricornis Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus vinctus Nason, Ent. News, 1905, 16: 151. [Ill.]
Cryptus (Itamoplex) americanus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320.
 [Kans.]
Cryptus albitarsis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 183. [des., Kans.]
Cryptus albitarsus (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
Cryptus americanus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
Cryptus americanus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Agrothereutes (Itamoplex) americanus Viereck, Bull. Conn. Geol. Nat. Hist.
 Surv., 1917, 22: 332. [key, Conn.]
Cryptus americanus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
 [Minn.]
Itamoplex vinctus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168.
 [syn.]

- Itamoplex vinctus* Champlain, Psyche, 1922, 29: 99. [host *a*, Pa.]
Cryptus vinctus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
Itamoplex americanus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
Cryptus vinctus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
Spilocryptus canarsiae Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
Cryptus vinctus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]
Itamoplex americanus Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
Cryptus vinctus Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, N.J.]
Cryptus vinctus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
Cryptus vinctus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
Cryptus vinctus Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]
Cryptus vinctus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]
Cryptus americanus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]
Cryptus vinctus Brimley, Insects of N.C., 1938, p. 407. [N.C.]
 AGERIIDAE: *a*, *Sanninoidea exitiosa*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.
 PHYCITIDAE: *c*, *Psorosina hammondi*. ARCTIIDAE: *d*, *Isia isabella*. NYMPHALIDAE: *e*,
Polygonia comma.

***Cryptus albitarsis coloradensis* (Ashmead) new combination**

- Cryptus coloradensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 408. ♀. [key, o.d., Powder River, Colo. (U.S.N.M.)]
Cryptus consobrinus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)] New synonymy.
Cryptus coloradensis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Cryptus altonii* Dalla Torre**

- Cryptus proximus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 290. ♀. [o.d., Colo. (A.N.S.P.)] Preoccupied by Fonscolombe, 1850.
Cryptus proximus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [des., Colo.]
Cryptus robustus Provancher, Nat. Canad., 1874, 6: 178. [key, Que.] Mis-determined.
Cryptus proximus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [des., B.C.]
Cryptus proximus Provancher, Nat. Canad., 1879, 11: 131; (Faune, p. 330). [key, des.]
Cryptus proximus Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]
Cryptus proximus Provancher, Nat. Canad., 1887, 16: 24. [Que.]
Cryptus proximus Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

- Cryptus proximus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Cryptus proximus Ashmead, Psyche, 1901, 9: 147. [Alaska, B.C., Calif., Colo., N.M.]
Cryptus altonii Dalla Torre, Cat. Hymen., 1902, 3: 560. [new name for *Cryptus proximus* Cresson]
Cryptus proximus Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.]
Cryptus altoni (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]
Cryptus altonii Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Cryptus altoni (!) Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *a*, Ut.]
 Miscellaneous: *a*, tent caterpillar.

***Cryptus arcticus* Schiödte**

- Cryptus arcticus* Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse af Grønland, 1857, p. 59. ♂, ♀. [o.d., Greenland (location of type unknown)]
Cryptus arcticus Schiödte, Berlin. Ent. Ztschr., 1859, 3: 144. Translation of o.d.
Cryptus arcticus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 99. [Greenland]
Cryptus sponsor Gerstäcker, Zweite Deutsche Nordpolarfahrt, 1869–70, 1874, 2: 404. Misdetermined.
Cryptus arcticus? MacLachlan, Jour. Linnean Soc., 1878, Zool., 14: 107. [Greenland]
Cryptus arcticus Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31. ♀. [fig., Greenland]
Cryptus arcticus Lundbeck, Meddel. om Grønland, 1895, 19: 109. [Greenland]
Cryptus arcticus Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 224. [Greenland]
Cryptus arcticus Nielsen, Meddel. om Grønland, 1907, 19: 384. [host *a*, Greenland]
Cryptus arcticus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. [syn.]
Cryptus arcticus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [des., Greenland]
Cryptus arcticus Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6. [Greenland]
Cryptus arcticus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. [Greenland]
Cryptus arcticus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 539. [Greenland]
 Miscellaneous: *a*, lepidopteran.

***Cryptus dirus* Cresson**

- Cryptus dirus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [o.d., Calif. (A.N.S.P.)]

- Cryptus violaceipennis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 408. ♂, ♀.
[key, o.d., Colo. (U.S.N.M.)] Preoccupied by Brullé 1846. New synonymy.
Cryptus nitschei Dalla Torre, Cat. Hymen., 1902, 3: 581. [new name for
Cryptus violaceipennis Ashmead]

***Cryptus iroquois* (Viereck) new combination**

- Agrothereutes (Itamoplex) iroquois* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 333. [o.d. in key, N.Y. (A.N.S.P.)]

***Cryptus laborator fabricii* Schiödte**

- Ichneumon moderator* Fabricius, Fauna Groenlandica, 1780, p. 198. [des.,
Greenland] Misdetermined.
(*Ichneumon laborator* Thumberg, Mém. Acad. Sci. Pétersbourg, 1822, 8: 273.
[o.d., (?Sweden) (Upsala Mus.)])
Ichneumon moderator (of Fabricius) Gravenhorst, Ichneum. Europeae, 1829, 3:
992. [des.]
Cryptus Fabricii Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse af
Grønland, 1857, p. 62. ♂, ♀. [o.d., Greenland (location of type un-
known)]
Cryptus Fabricii Schiödte, Berlin. Ent. Ztschr., 1859, 3: 147. Translation
of o.d.
Cryptus Fabricii Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6:
99. [Greenland]
Cryptus fabricii Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31.
♀. [fig., Greenland]
Cryptus Fabricii Lundbeck, Vidensk. Medd. Nat. For. København (1896), 1897,
p. 225. [Greenland]
Cryptus Fabricii Vanhöffen, in Drygalski: Grönland Exped. des Ges. fuer
Erkunde Berlin, 1897, 2, pt. 1: 156.*
Cryptus Fabricii Nielsen, Meddel. om Grønland, 1907, 29: 385. [Greenland]
Cryptus Fabricii Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22:
524. [syn., Greenland]
Cryptus laborator fabricii Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283.
[des.]
Cryptus laborator Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6.
[Greenland]

***Cryptus leucopus* Ashmead**

- Cryptus leucopus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 409. ♂. [key,
o.d., Colo. (U.S.N.M.)]

***Cryptus luctuosus* Cresson**

- Cryptus luctuosus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 290. ♀. [o.d.,
Colo. (A.N.S.P.)]

* Reference not seen.

- Cryptus luctuosus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]
Cryptus luctuosus Provancher, Addit. Faune Canada, Hymén., 1886, p. 71. ♂.
 [key, des., Ont.]
Cryptus luctuosus Slosson, Ent. News, 1895, 6: 317. [N.H.]
Cryptus luctuosus Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus luctuosus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]
Agrothereutes (Itamoplex) ebenus Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 333. (♀). [o.d. in key, Mass. (A.N.S.P.), N.H.] New syn-
 onymy.
Cryptus caligatus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 2. ♀.
 [o.d., Calgary, Alta. (U.S.N.M.)] New synonymy.

***Cryptus pacificus* Cresson**

- Cryptus pacificus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♂.
 [o.d., Calif. (A.N.S.P.)]

***Cryptus perplexus* Cresson new combination**

- Cryptus proximus* var. *perplexus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p.
 359. ♀. [o.d., Calif. (A.N.S.P.)]
Cryptus altonii var. *perplexus* Dalla Torre, Cat. Hymen., 1902, 3: 560. [syn.]

***Cryptus persimilis* Cresson**

- Cryptus persimilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 298. ♀. [o.d.,
 Del. (A.N.S.P.)]
Cryptus persimilis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 79. ♀. [des.]
Cryptus picticoxus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 82. ♂. [o.d.,
 (?Ill.) (type destroyed)] New synonymy.
Cryptus persimilis Provancher, Nat. Canad., 1874, 6: 177, 203. ♀. [key, des.,
 Que.]
Cryptus mundus Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, o.d.,
 Que. (M.P.Q.)] New synonymy.
Cryptus persimilis Provancher, Nat. Canad., 1879, 11: 136; (Faune, p. 335).
 [key, des.]
Cryptus mundus Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336).
 [key, des.]
Cryptus persimilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 63.
 [key]
Cryptus mundus Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]
Cryptus mundus Riley and Howard, Insect Life, 1890, 1: 154. [host a]
Cryptus persimilis Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
Cryptus persimilis Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
Itamoplex persimilis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.
 [N.J.]
Cryptus persimilis Nason, Ent. News, 1905, 16: 150. [Ill.]
Cryptus mundus Nason, Ent. News, 1905, 16: 150. [Ill.]

Cryptus citrinimaculatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320. ♂.
[o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

Agyothereutes mundus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key, Conn.]

Cryptus persimilis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Cryptus persimilis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

Cryptus persimilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

Cryptus persimilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

Cryptus persimilis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

Cryptus persimilis Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Cryptus persimilis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

CRAMBIDAE: a, *Crambus vulgivagellus*.

***Cryptus punicus* Cresson**

Cryptus punicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 364. ♀. [o.d., Calif. (A.N.S.P.), B.C., Wash.]

Cryptus californicus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♀.
[key, o.d., Placer Co., Calif. (U.S.N.M.)] New synonymy.

Cryptus punicus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J.]

***Cryptus relativus* Cresson**

Cryptus relativus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [o.d., B.C. (A.N.S.P.)]

Cryptus pictifrons Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 360. ♂.
[o.d., Green River, Wyoming Territory (A.N.S.P.)] New synonymy.

Cryptus relativus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [B.C.]

Cryptus relativus Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

***Cryptus robustus* Cresson**

Cryptus robustus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 289. ♀. [o.d., Colo. (A.N.S.P.)]

Cryptus crassicornis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 292. ♂. [o.d., Colo. (A.N.S.P.)]

Cryptus robustus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

Cryptus crassicornis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

Cryptus robustus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 72. [syn., Colo.]

Cryptus robustus Carpenter, Ann. Rpt. U. S. Geol. Geogr. Surv. Terr. for 1873, 3: 541. [Colo.]

Cryptus robustus Provancher, Nat. Canad., 1882, 12: 361; (Faune, p. 783). ♀.
[des., Que.]

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- Cryptus robustus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
Cryptus robustus Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]
Cryptus robustus Riley and Howard, Insect Life, 1894, 6: 376. [biol., host *a*, Colo.]
Cryptus robustus Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Cryptus robustus Harrington, Canad. Ent., 1897, 29: 44. [syn.]
Cryptus (Habrocryptus?) robustus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 290. [des., Colo.]
Cryptus robustus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Cryptus robustus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Cryptus robustus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

PHALAEINIDAE: *a*, cutworm.

***Cryptus tejonensis* Cresson**

- Cryptus tejonensis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 360. ♀. [o.d., Ft. Tejon, Calif. (A.N.S.P.)]
Itamoplex tejonensis Lathrop and Black, Crop Pest and Hort. Rpt. Ore. Agr. Exp. Sta., 1921, 3: 63. [host *a*, Ore.]
Cryptus tejonensis Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]
Cryptus tejonensis Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host *b*]
Cryptus tejonensis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

AEGERIIDAE: *a*, *Sanninoidea opalescens*. PHALAEINIDAE: *b*, *Prodenia praefica*.

***Cryptus vancouverensis* Harrington**

- Cryptus vancouverensis* Harrington, Canad. Ent., 1894, 26: 211. ♀. [o.d., Victoria, B.C. (C.N.C.)]

***Cryptus viduatorius* Fabricius ***

- Cryptus viduatorius* Fabricius, Syst. Piez., 1804, p. 70. ♀. [o.d., "Moravia" (location of type unknown)]
Cryptus viduatorius Kirby, in Richardson: Fauna Boreali Americana, 1837, 4: 259. [des., "N. America 54° N."]
Cryptus viduatorius Morley, Ent., 1910, 43: 243. [Kirby's specimen not found in British Museum]

PYCNOCRYPTUS Thomson

- Pycnocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 500.

Genotype: (*Ichneumon peregrinator* Gravenhorst) = *director* Thunberg.

* Occurrence in the Nearctic Region needs confirmation.

Pycnocryptus director (Thunberg) *

Ichneumon director Thunberg, Mem. Acad. Sci. St. Pétersbourg, 1822, 8: 270.
(♂). [o.d., Sweden (Upsala Mus.)]

Pycnocryptus director Roman, Zool. Bidrag Från Upsala, 1912, 1: 251. [syn.]

LISTROGNATHUS Tschek

Listrognathus Tschek, Verh. Zool.-Bot. Ges. Wien, 1870, 20: 153.

Genotype: *Listrognathus cornutus* Tschek.

Mesostenoides Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45.

Genotype: *Mesotenus albomaculatus* Cresson.

Listrognathus agnatus Cushman

Listrognathus agnatus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4,
21. ♀. [key, o.d., fig., southern Ill. (U.S.N.M.)]

Listrognathus albomaculatus var. **albomaculatus** (Cresson)

Mesotenus albomaculatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 313. ♀.
[o.d., Pa. (A.N.S.P.)]

Mesotenus leucocoxus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 407. ♂.
[o.d., Cadet, Mo. (U.S.N.M.)]

Mesotenus albomaculatus Riley and Howard, Insect Life, 1890, 1: 153. [host *a*,
N.Y., Tex.]

Mesostenus albomaculatus Slosson, Ent. News, 1894, 5: 4. [Ill.]

Mesostenoides albomaculatus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45.
[syn.]

Mesostenus albomaculatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
570. [N.J.]

Listrognathus albomaculatus Roman, Ent. Tidskr., 1910, 31: 176. [syn.]

Polycyrtus albomaculatus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Mesostenidea (*Polycyrtus*) *albomaculata* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 330. [key]

Listrognathus albomaculatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.
[syn.]

Listrognathus leucocoxus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.
[syn.]

Listrognathus albomaculatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 932. [N.Y.]

Listrognathus albomaculatus var. *albomaculatus* Cushman, Proc. U. S. Nat. Mus.,
1929, 74, art. 16: 2-5, 16. ♂, ♀. [key, syn., des., fig., Conn., Ill., Md.,
Mo., Ohio, Pa., Va.]

Listrognathus albomaculatus Brimley, Insects of N.C., 1938, p. 407. [N.C.]

CRAMBIDAE: *a*, *Crambus* sp.

* Nearctic material in the Townes Collection is from: Bemus Point, N.Y.; Swansea,
Ont.; Ile d'Orleans, Que.; and Waskesiu, Sask.

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Listrognathus albomaculatus var. **multimaculatus** Cushman

Listrognathus albomaculatus var. *multimaculatus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 18. ♀. [key, o.d., Carlisle Junction, Pa. (U.S.N.M.), Kans., N.Y.]

Listrognathus albomaculatus var. **nubilipennis** (Cresson)

Mesostenus nubilipennis Cresson, Canad. Ent., 1878, 10: 205. ♀. [o.d., Ga. (A.N.S.P.)]

Listrognathus albomaculatus var. *nubilipennis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 19. ♀. [key, des.]

Listrognathus albomaculatus var. **rufitibialis** Cushman

Listrognathus albomaculatus var. *rufitibialis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 18. ♂, ♀. [key, o.d., Plummer's Island, Md. (U.S.N.M.), Ala., Kans., N.J., Pa., Tex.]

Listrognathus albomaculatus var. **sagax** (Provancher)

Mesostenus sagax Provancher, Nat. Canad., 1879, 11: 112; (Faune, p. 345). ♀. [key, o.d., fig., Cap Rouge, Que. (M.P.Q.)]

Mesostenus sagax Harrington, Canad. Ent., 1895, 27: 156. [Ont.]

Listrognathus albomaculatus var. *sagax* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 19. ♂, ♀. [key, des., Alta., Conn., Que.]

Listrognathus paludatus (Cresson)

Mesostenus paludatus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

Listrognathus paludatus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 22. ♂, ♀. [key, des.]

Listrognathus victoriensis (Harrington) new combination

Cryptus victoriensis Harrington, Canad. Ent., 1894, 26: 211. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Listrognathus multicolor Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 20. ♀. [key, o.d., Calif. (U.S.N.M.), B.C.] New synonymy.

MESOSTENUS Gravenhorst

Mesostenus Gravenhorst, Ichneum. Europeae, 1829, 2: 750.

Genotype: *Mesostenus transfuga* Gravenhorst.

Stenaraeus Thomson, Opusc. Ent., 1896, 21: 2378, 2380.

Genotype: *Mesostenus transfuga* Gravenhorst.

Mesostenus angustus new name

Mesostenus leucopus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [o.d., host *a*, Normal, Ill. (U.S.N.M.)] Preoccupied by Brullé, 1846.

Mesostenus leucopus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 3, 44.

♂, ♀. [key, des., D.C., Kans., Va.]

Mesostenus leucopus Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Miscellaneous: a, sawfly on *Triticum aestivum*.

***Mesostenus gracilis* Cresson**

Mesostenus gracilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 315. ♂. [o.d., Va. (A.N.S.P.)]

Mesostenus gracilis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. [Tex.]

Nematopodius orbitalis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

Mesostenus gracilis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Mesostenus gracilis Riley and Howard, Insect Life, 1890, 1: 153. [host e, Conn., Md., Tex.]

Mesostenus gracilis Johnson, Bull. U. S. Dept. Agr., Div. Ent., 1899, 20: 67. [host c]

Mesostenus gracilis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

Mesostenus gracilis Nason, Ent. News, 1905, 16: 151. [Ill.]

Mesostenus gracilis Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host d, Ga.]

Mesostenus gracilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Mesostenus gracilis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 43. ♂, ♀. [key, syn., des., host d e f, Ariz., Calif., Conn., D.C., Ill., Kans., La., Md., Mass., Mexico, Mich., Miss., N.M., N.Y., Ohio, Tex., Wis., Va.]

Mesostenus gracilis Pack, Bull. Ut. Agr. Exp. Sta., 1930, 216: 11. [host g, Ut.]

Mesostenus gracilis Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host g, Ut.]

Mesostenus gracilis Donohoe and Barnes, Jour. Econ. Ent., 1934, 27: 1071–1072. [host b, Calif.]

Mesostenus gracilis personnel of Dried Fruit Insect Lab. at Fresno, Calif., Monthly Bull. Calif. Dept. Agr., 1934, 23: 205. [host b, Calif.]

Mesostenus gracilis Livingston and Reed, Jour. Econ. Ent., 1936, 29: 1019. [host a]

Mesostenus gracilis Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Mesostenus gracilis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host g, Ut.]

PHYCITIDAE: a, *Ephestia elutella*; b, *Ephestia figulilella*; c, *Ephestia kuehniella*; d, *Euzophera semifuneralis*; e, *Laetilia coccidivora*; f, *Ozamia fuscomaculella clarefacto*; g, *Zophodia convolutella*.

***Mesostenus melanurus* Cushman**

Mesostenus melanurus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 47.

♀. [key, o.d., Calgary Alta. (U.S.N.M.)]

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Mesostenus promptus Cresson

- Mesostenus promptus* Cresson, Canad. Ent., 1878, 10: 209. ♂. [o.d., Ill. (A.N.S.P.), Canada]
- Mesostenus americanus* Cresson, Canad. Ent., 1878, 10: 209. ♀. [o.d., Me. (A.N.S.P.), Va.]
- Mesostenus promptus* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785). [syn. des.]
- Exetastes brevipennis* Provancher, Faune Ent. Canada, Hymén., 1883, p. 386. ♂, ♀. [key, o.d., Que. (type lost)]
- Mesostenus brevipennis* Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794). [syn.]
- Mesostenus promptus* Provancher, Addit. Faune Canada, Hymén., 1889, p. 455. [syn.]
- Mesostenidea americana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]
- Mesostenidea (Polyaenus) prompta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329. [key]
- Mesostenus promptus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 46. ♂, ♀. [key, syn., des., Colo., Ia., S.D.]
- Mesostenus promptus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Mesostenus americanus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

Mesostenus thoracicus Cresson

- Mesostenus thoracicus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 314. ♂, ♀. [o.d., Del. (A.N.S.P.), N.Y., Pa.]
- Mesostenus thoracicus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. [Tex.]
- Mesostenus thoracicus* Provancher, Nat. Canad., 1875, 7: 240, 266, 268. [key, Que.]
- Mesostenus thoracicus* Provancher, Nat. Canad., 1879, 11: 113; (Faune, p. 346). [key, des., fig.]
- Mesostenus erythrogaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [o.d., Wis. (U.S.N.M.)]
- Mesostenus thoracicus* Riley and Howard, Insect Life, 1890, 1: 153. [host g, D.C., Mich., Mo., N.Y., Tex. Va.]
- Mesostenus thoracicus* Harrington, Ann. Rpt. Ent. Soc. Ont., 1894, 24: 25. [host b]
- Nerostenus* (!) *thoracicus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Mesostenus thoracicus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]
- Mesostenus thoracicus* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Mesostenus thoracicus* Hunter, Pratt, and Mitchell, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 113: 46. [host e, Tex.]

Mesostenus thoracicus Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host *c*, Va.]

Mesostenus thoracicus Simanton, Bull. U. S. Dept. Agr., 1916, 351: 63. [host *d*, Pa.]

Mesostenidea (*Mesostenidea*) *thoracica* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

Mesostenus thoracicus. Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Mesostenus erythrogaster Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Mesostenus thoracicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Mesostenus erythrogaster Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Mesostenus thoracicus Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Mesostenus thoracicus Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 4, 5, 41. ♂, ♀. [key, syn., des., fig., host *a f h i*, Ala., Ark., Canada, Colo., Conn., D.C., Kans., La., Md., Mass., N.Y., Ohio, Pa., Tex., Va.]

Mesostenidea thoracica Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

PHYCITIDAE: *a*, *Acrobasis* sp.; *b*, *Ambesa walsinghami*; *c*, *Euzophera semifuneralis*; *d*, *Laetilia coccidivora*; *e*, ?*Melittara* sp.; *f*, *Monoptilota pergratialis*. PYRALIDIDAE: *g*, pyralidid on *Carya* sp. PYRAUSTIDAE: *h*, *Phlyctaenia extricalis*; *i*, *Pyrausta futilalis*.

DEROCENTRUS Cushman

Derocentrus Cushman, Proc. Ent. Soc. Wash., 1919, 21: 113.

Genotype: (*Coleocentrus texanus* Ashmead) = *longicaudis* Cresson.

Derocentrus longicaudis (Cresson) new combination

Mesostenus longicaudis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Mesostenus macilentus Cresson, Canad. Ent., 1878, 10: 210. ♂. [o.d., La. (A.N.S.P.), Ill., Tex.]

Mesostenus gracilipes Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 365. ♀. [o.d., Calif. (A.N.S.P.)]

Coleocentrus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 444. ♀. [o.d., Tex. (U.S.N.M.)]

Mesostenus macrurus Dalla Torre, Cat. Hymen., 1901, 3: 544. [new name for *Mesostenus longicaudis* Cresson]

Nematopodius longicaudus (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 206. [syn., Canada, Tex. (in part)]

Nematopodius exclamans Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)]

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- Nematopodius gracilipes* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. [syn.]
Nematopodius macilentus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 319.
 [Kans.]
- Derocentrus texanus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114. [syn.,
 Colo., Kans., Md., N.M., Tex., Va.]
- Derocentrus gracilipes* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114. [syn.]
- Derocentrus macilentus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 45,
 48. ♂, ♀. [syn., des., fig., Colo., D.C., Kans., Md., N.J., N.M., Ohio,
 Tex., Va.]
- Derocentrus macilentus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

CRYPTANURA Brullé

- Cryptanura* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 242.
 Genotype: *Cryptanura nigripes* Brullé.
- Polyaenus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 149.
 Genotype: *Polyaenus ectypus* Cresson.
- Polyaenidea* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 381. New synonymy.
 Genotype: *Polyaenidea pretiosa* Viereck.
- Cryptanura spinaria* (Brullé) new combination**
- Mesostenus spinarius* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 227. ♀.
 [o.d., Carolina (Paris Mus.)]
- Mesostenus albopictus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 312. ♂. [o.d.,
 Del. (A.N.S.P.)] Preoccupied by Smith, 1858.
- Mesostenus albopictus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 571. [N.J.]
- Mesostenus delawarensis* Dalla Torre, Cat. Hymen., 1901, 3: 540. [new name
 for *Mesostenus albopictus* Cresson]
- Polyaenus spinarius* Schmiedeknecht, Genera Insectorum, 1908, 75: 68. [syn.]
- Mesostenus delawarensis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.
 [N.J.]
- Mesostenus spinarius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.
 [N.J.]
- Mesostenidea* (*Polyaenus*) *spinaria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 329. [key]
- Polyaenus spinarius* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Polyaenus spinarius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 932. [N.Y.]
- Polyaenus spinarius* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4, 5,
 38. ♂, ♀. [des., fig., Ala., D.C., Fla., Md., N.J., N.Y., Pa., Tex., Va.]
- Polyaenus spinarius* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

POLYCYRTUS SpinolaSubgenus **Polycyrtus**, Spinola*Polycyrtus* Spinola, Ann. Soc. Ent. France, 1840, 9: 154.Genotype: *Polycyrtus histrio* Spinola.*Polycyrtimorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 383.Genotype: *Polycyrtimorpha amoena* Viereck.**Polycyrtus (Polycyrtus) neglectus** Cushman*Polycyrtus neglectus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 5. ♂,
♀. [o.d., Cabin John, Md. (U.S.N.M.), Ala., D.C., Fla., Tenn., Tex., Va.]*Polycyrtus neglectus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4, 5,
51. [des., fig., Conn., Md., Pa.]*Polycyrtus (Polycyrtus) neglectus* Cushman, Proc. U. S. Nat. Mus., 1931, 78,
art. 14: 6, 44, 58. [key, des., Conn., D.C., Pa.]**XYLOPHRURUS** Foerster*Xylophrurus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.Genotype: *Echthrus lancifer* Gravenhorst.*Nyxeophilus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: (*Nyxeophilus bimaculatus* Thomson) = *angustus* Dalman.*Macrocryptus* Thomson, Opusc. Ent., 1873, 5: 470, 486.Genotype: *Echthrus lancifer* Gravenhorst.*Cryptoideus* of authors, not of the genotype.*Xylophruridea* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. New synonymy.Genotype: *Xylophruridea agrili* Viereck.**Xylophrurus agrili** (Viereck) new combination*Xylophruridea agrili* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. ♀. [o.d.,
host *b*, French Creek, W. Va. (U.S.N.M.)]*Xylophruridea agrili* Brooks, Jour. Agr. Res., 1914, 3: 184. [fig., biol., host *b*,
W.Va.]*Xylophruridea luctuosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
767. [syn., des., host *a*, Conn. (in part)]*Cryptoideus agrili* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 536. [key, des.]*Xylophruridea agrili* Brooks, Monthly Letter Bur. Ent., U. S. Dept. Agr.,
1923, 108: 3. [biol., host *b*, W.Va.]*Cryptoideus agrili* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
931. [N.Y.]BUPRESTIDAE: *a*, ?*Agrilus champlaini*; *b*, *Agrilus vittaticollis*.

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Xylophrurus atroruber new name

Cryptoideus purpuripennis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42.
[syn.] Misdetermined.

Cryptoideus purpuripennis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 539. ♀.
[key, des., Santa Cruz Mts., Calif. (U.S.N.M.)] Misdetermined.

Xylophrurus bicolor (Cushman) new combination

Cryptoideus bicolor Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537. ♀. [key,
o.d., Colo. (U.S.N.M.)]

Cryptoideus bicolor Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Xylophrurus fasciatus (Ashmead) new combination

Brachycentrus fasciatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 413. ♀.
[key, o.d., Tex. (U.S.N.M.)]

Helcostizus fasciatus Dalla Torre, Cat. Hymen., 1901, 3: 395. [syn.]

Cryptoideus fasciatus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 540. [key,
des.]

Cryptoideus fasciatus Burke, Jour. Econ. Ent., 1920, 13: 383. [host *a*, Calif.]

BUPRESTIDAE: *a*, *Agrilus angelicus*.

Xylophrurus luctuosus (Provancher) new combination

Mesochorus luctuosus Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d.,
Que. (M.P.Q.)]

Echthrus luctuosus Provancher, Nat. Canad., 1880, 12: 98; (Faune, p. 486).
[key, des.]

Echthrus luctuosus Harrington, Canad. Ent., 1893, 25: 31. [key]

Echthrus luctuosus Slosson, Ent. News, 1900, 11: 320. [N.H.]

Xylophruridea luctuosus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
767. [syn., des., host *a*, Conn. (in part)]

Cryptoideus? luctuosus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537. [key
des.]

Cryptoideus anthracinus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 7
♀. [o.d., host *b*, Lyme, Conn. (U.S.N.M.)] New synonymy.

BUPRESTIDAE: *a*, ?*Agrilus champlaini*. CERAMBYCIDAE: *b*, *Saperda obliqua*.

Xylophrurus nubilipennis (Cresson) new combination

Cryptus nubilipennis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 291. ♀. [o.d.,
Colo. (A.N.S.P.)]

Cryptus nubilipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

Echthrus nubilipennis Harrington, Canad. Ent., 1893, 25: 31. [key]

Cryptoideus nubilipennis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537.
[key, des.]

Xylophrurus rufus (Cushman) new combination

Cryptoideus rufus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 538. ♀. [key,
o.d., Montgomery Co., Pa. (U.S.N.M.)]

Xylophrurus sitkensis (Ashmead) new combination

Cryptoideus sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 193. ♀.
[o.d., Sitka, Alaska (U.S.N.M.)]

Cryptoideus sitkensis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 539. ♀.
[key, des.]

ECHTHRUS Gravenhorst

Echthrus Gravenhorst, Ichneum. Europeae, 1829, 3: 861.

Genotype: *Ichneumon reluctator* Linnaeus.

Sphaetes Bremi, Stettin, Ent. Ztg., 1849; 10: 95.

Genotype: (*Sphaetes crassiscrus* Bremi) = *reluctator* Linnaeus.

Echthrus abdominalis Cresson

Echthrus abdominalis Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

Mesochorus Sqint-Cyri Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d., Que. (M.P.Q.)]

Echthrus abdominalis Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 487).
[key, syn., des.]

Echthrus abdominalis Harrington, Canad. Ent., 1893, 25: 32. ♂, ♀. [key, B.C., Ont.]

Echthrus abdominalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Echthrus abdominalis Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Echthrus abdominalis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Echthrus abdominalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

Echthrus abdominalis Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Echthrus adillae Davis

Echthrus adillae Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♂. [o.d., ?Seattle, Wash. (A.N.S.P.)]

Echthrus niger Cresson

Echthrus niger Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

Echthrus niger Provancher, Nat. Canad., 1880, 12: 97; (Faune, p. 485). [key des., Que.]

Echthrus niger Harrington, Canad. Ent., 1893, 25: 32. [key, biol., Ont.]

Echthrus niger, Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Echthrus niger Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

Echthrus rufopedibus Harrington

Echthrus rufopedibus Harrington, Canad. Ent., 1893, 25: 31. ♀. [key, o.d., Montreal, Que. (C.N.C.)]

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Ephialtes rufipedibus (!) Slosson, Ent. News, 1895, 6: 317. [N.H.]

Echthrus rufopedibus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Echthrus rufopedibus Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

Echthrus vancouverensis (Bradley) new combination

Dyseidopus vancouverensis Bradley, Ent. News, 1902, 13: 307. ♂. [o.d., Vancouver, B.C. (type lost)]

AGONOCRYPTUS Cushman

Agonocryptus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 6.

Genotype: *Mesostenus discoidaloides* Viereck.

Agonocryptus discoidaloides (Viereck)

Mesostenus discoidaloides Viereck, Trans. Kans. Acad. Sci., 1905, 19: 319. ♀. [o.d., Rock Creek, Douglas Co., Kans., 900 ft. (Univ. Kans.)]

Agonocryptus discoidaloides Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 7. [des., fig., host *a b*, Fla., Ill., Kans., Tex., Va.]

Agonocryptus discoidaloides Brimley, Insects of N.C., 1938, p. 407. [N.C.]

CERAMBYCIDAE: *a*, *Eupogonius vestitus*; *b*, *Pseudibidion unicolor*.

MALLOCHIA Viereck

Mallochia Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591.

Genotype: *Mallochia agenoides* Viereck.

Mallochia agenoides Viereck

Mallochia agenoides Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591. ♀. [o.d., Glencarlyn, Va. (U.S.N.M.)]

Mallochia agenoides Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 14. ♀. [key, des., fig., D.C.]

Mallochia agenoides Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Mallochia strigosa (Cresson)

Mesoleptus? strigosus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Gausocentrus? strigosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♂. [des., Tex.]

Nematopodius longicaudus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 206. [syn., Canada, Tex. (in part)]

Mallochia strigosa Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 14. [key, des.]

CRYPTOHELCASTIZUS Cushman

Cryptohelcastizus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 534.

Genotype: (*Cryptohelcastizus rufigaster* Cushman) = *alamedensis* Ashmead.

Cryptohelcostizus alamendensis (Ashmead)

Cryptus alamendensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 409. ♀. [key, o.d., host *c*, Alameda, Calif. (U.S.N.M.)]

Cryptohelcostizus rufigaster Cushman, Proc. U. S. Nat. Mus., 1919, 55: 534. ♂, ♀. [o.d., host *a b*, Harold, Calif. (U.S.N.M.)]

Cryptohelcostizus rufigaster Burke, Jour. Econ. Ent., 1920, 13: 383. [host *a*]

Cryptohelcostizus alamedensis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 7. [syn.]

Cryptohelcostizus alamedensis Cushman, Proc. U. S. Nat. Mus., 1940, 88: 357. [key, host *b*, Calif., Ore.]

BUPRESTIDAE: *a*, *Agrilus angelicus*; *b*, *Chrysobothris mali*. Miscellaneous: *c*, lepidopteran.

Cryptohelcostizus chrysobothridis Cushman

Cryptohelcostizus chrysobothridis Cushman, Proc. U. S. Nat. Mus., 1940, 88: 358. ♂, ♀. [key, o.d., host *a*, Stillwater, Okla. (U.S.N.M.)]

BUPRESTIDAE: *a*, *Chrysobothris* sp. in *Malus pumila*.

Cryptohelcostizus dichrous Viereck

Cryptohelcostizus dichrous Viereck, Psyche, 1921, 28: 73. ♂, ♀. [o.d., Southern Pines, N.C. (M.C.Z.)]

Cryptohelcostizus sp. Brimley, Insects of N.C., 1938, p. 407. [N.C.]

Cryptohelcostizus dichrous Cushman, Proc. U. S. Nat. Mus., 1940, 88: 358. [key, des., N.J., N.C., Tex., Va.]

Cryptohelcostizus dichrous Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

Cryptohelcostizus ornatus Cushman

Cryptohelcostizus ornatus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 359. ♀. [key, o.d., host *a*, Death Valley, Calif. (U.S.N.M.)]

BUPRESTIDAE: *a*, *Chrysobothris deserta*.

HELCOSTIZUS Foerster

Brachycentrus Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 106. Pre-occupied by Curtis, 1834.

Genotype: (*Cryptus pimplarius* Taschenberg) = *brachycentrus* Gravenhorst. *Helcostizus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Cryptus brachycentrus* Gravenhorst.

Cyrtocryptus Marshall, Cat. Brit. Hymen., 1872, 3: 41.

Genotype: *Cryptus brachycentrus* Gravenhorst.

Mesocryptus Thomson, Opusc. Ent., 1873, 5: 519.

Genotype: *Cryptus brachycentrus* Gravenhorst.

Heterocryptus Woldstedt, Zids. Fin. Nat., 1873, 21: 73.

Genotype: *Cryptus brachycentrus* Gravenhorst.

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Asternaulax Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632.

Genotype: (*Asternaulax fiskei* Viereck) = *canadensis* Provancher.

Chenbergus Navas, Bol. Soc. Ent. España, 1930, 13: 43. [new name for *Brachycentrus* Taschenberg]

***Helcostizus annulicornis* (Walsh)**

Echthrus annulicornis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 159. ♀. [o.d., (?Ill.) (type destroyed)]

Echthrus annulicornis Harrington, Canad. Ent., 1893, 25: 32. [key]

Helcostizus annulicornis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 8. [syn., des.]

***Helcostizus bicarinatus* Cushman**

Helcostizus bicarinatus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 532. ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

***Helcostizus canadensis* (Provancher)**

Mesochorus Canadensis Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d., Que. (M.P.Q.)]

Echthrus Canadensis Provancher, Nat. Canad., 1880, 12: 98; (Faune, p. 486). [key, des.]

Echthrus canadensis Harrington, Canad. Ent., 1893, 25: 32. [key]

Asternaulax fiskei Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. ♀. [o.d., Tryon, N.C. (U.S.N.M.)] New synonymy.

Helcostizus fiskei Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 185. [syn.]

Helcostizus canadensis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. [key, des.]

Helcostizus fiskei Cushman, Proc. U. S. Nat. Mus., 1919, 55: 532. [key, des.]

Helcostizus fiskei Brimley, Insects of N.C., 1938, p. 410. [N.C.]

***Helcostizus rufiscutum* Cushman**

Helcostizus rufiscutum Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. ♀. [key, o.d., host *a*, Cypress Point, Monterey, Calif. (U.S.N.M.)]

SCOLYTIDAE: *a*, *Phloeosinus* sp.

***Helcostizus yukonensis* (Ashmead)**

Pimpla yukonensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., Fort Yukon, Alaska (U.S.N.M.)]

Helcostizus (!) *yukonensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 202. [syn.]

Helcostizus yukonensis Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. [key, des.]

MESSATOPORUS Cushman

Messatoporus Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 8.

Genotype: *Mesostenus discoidalis* Cresson.

Messatoporus compressicornis Cushman

Messatoporus compressicornis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 12. ♂, ♀. [key, o.d., Inglenok, Pa. (U.S.N.M.), Ala., D.C.]

Messatoporus major Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 13. ♀. [key, o.d., Orlando, Fla. (U.S.N.M.)] New synonymy.

Messatoporus compressicornis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Messatoporus discoidalis (Cresson)

Mesostenus discoidalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Mesostenus jocosus Provancher, Nat. Canad., 1874, 6: 300. ♀. [key, o.d., Que. (M.P.Q.)]

Mesostenus jocosus Provancher, Nat. Canad., 1875, 7: 267. [key]

Mesostenus jocosus Provancher, Nat. Canad., 1879, 11: 112; (Faune, p. 346). ♀. [key, des., fig.]

Messatoporus discoidalis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 9. [key, syn., des., fig., host *a b c d*, Colo., D.C., Ill., Kans., Md., N.H., Pa., Tex.]

Messatoporus discoidalis Brimley, Insects of N.C., 1938, p. 407. [N.C.]

POMPIDAE: *a*, *Ageniella bombycina*; *b*, *Ageniella petiolata*; *c*, *Ceropales fraterna*; *d*, *Pseudagenia mellipes*.

Messatoporus rufiventris Cushman

Messatoporus rufiventris Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 11. ♀. [key, o.d., Cabin John, Md. (U.S.N.M.), Ala., Colo., Que., Tex., Va.]

Messatoporus rufiventris (!) Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

POLYCYRTIDEA Viereck

Polycyrtidea Viereck, Proc. U. S. Nat. Mus., 1913, 46: 382.

Genotype: *Polycyrtidea gracilis* Viereck.

Polycyrtidea limitis Cushman

Polycyrtidea limitis Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 5, 52.

♀. [o.d., fig., Brownsville, Tex. (U.S.N.M.)]

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JOPPIDIUM* Cresson

Joppidium Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160.

Genotype: *Joppidium rubriceps* Cresson.

Joppoceras Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 39, 40.

Genotype: *Joppidium dubiosum* Cresson.

Opisoxestus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 40.

Genotype: *Opisoxestus ferrugineus* Ashmead.

Joppidium apicale Cresson

Joppidium apicale Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♀. [o.d., Comal Co., Tex. (A.N.S.P.)]

Joppidium ruficeps Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 70. ♂, ♀. [o.d., (?Ill.) (type destroyed)] New synonymy.

Joppidium ruficeps (!) Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 40. [key]

Joppidium ruficeps Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Joppidium ruficeps Brimley, Insects of N.C., 1938, p. 406. [N.C.]

Joppidium rubriceps Cresson

Joppidium rubriceps Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Joppidium rubripes (!) Dalla Torre, Cat. Hymen., 1902, 3: 597. Lapsus for *rubriceps*.

Joppidium rubriceps Roman, Ent. Tidskr., 1910, 31: 172. [syn., des.]

Joppidium rubriceps Brimley, Insects of N.C., 1938, p. 406, [N.C.]

ACRORICNUS Ratzeburg

Acroricnus Ratzeburg, Ichneum. Forstins., 1853, 3: 92.

Genotype: *Acroricnus schaumii* Ratzeburg.

Xenocodon Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1855, 12: 237.

Genotype: *Xenocodon ruficornis* Foerster.

Macrobatus Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 50.

Genotype: (*Cryptus macrobates* Gravenhorst) = *stylator* Thunberg.

Linoceras Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 8, 105.

Genotype: (*Cryptus macrobates* Gravenhorst) = *stylator* Thunberg.

Leptobatides Buysson, Sp. Hymén. Eur. Alg., 1896, 6: 678, pl. 3.

Genotype: *Leptobatides abeillei* Buysson.

Agathobanchus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97.

Genotype: *Banchus aequatus* Say.

Acroricnus aequatus aequatus (Say)

Banchus aequatus Say, Boston Jour. Nat. Hist., 1836, 1: 247; (Leconte Ed., 2: 701). (♂). [o.d., Ind. (type destroyed)]

Atractodes Cloutieri Provancher, Nat. Canad., 1874, 6: 150. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

- Atractodes Cloutieri* Provancher, Nat. Canad., 1874, 7: 333. [key]
Linoceras Cloutieri Provancher, Nat. Canad., 1879, 11: 110; (Faune, p. 343).
 [des., fig.]
Linoceras Cloutieri Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Agathobanchus aequatus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97. [syn.]
 Description based on misdetermination.
Osprynchotus cloutieri Dalla Torre, Cat. Hymen., 1902, 3: 598. [syn.]
Banchus aequatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 304. [syn.]
Acroricnus aequatus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 158.
 [syn.]
Acroricnus cloutieri Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.
 [Me.]
Acroricnus aequatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

***Acroricnus aequatus junceus* (Cresson) new combination**

- Cryptus junceus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 295. ♀. [o.d., Ill.
 (A.N.S.P.)]
Cryptus junceus Walsh and Riley, Amer. Ent., 1869, 1: 137. [fig., biol., host c]
Cryptus junceus Riley, Amer. Ent., 1880, 3: 154. [host a]
Osprynchotus (!) *junceus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 570. [N.Y.]
Acroricnus junceus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.
 [host b]
Acroricnus junceus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330.
 [des.]
Acroricnus junceus Champlain, Psyche, 1922, 29: 99. [host b, Pa.]
Acroricnus junceus Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Acroricnus junceus Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
Acroricnus junceus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 930. [N.Y.]
Acroricnus junceus Brimley, Insects of N.C., 1938, p. 406. [N.C.]
 VESPIDAE: a, *Ancistrocerus birenimaculatus*; b, *Ancistrocerus tigris*. SPHECIDAE: c,
Sceliphron caementarium.

***Acroricnus edwardsii* (Cresson) new combination**

- Linoceras Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 365. ♂.
 [o.d., Calif. (A.N.S.P.)]
Osprynchotus edwardsii Dalla Torre, Cat. Hymen., 1902, 3: 598. [syn.]

***Acroricnus excelsus* (Cresson) new combination**

- Cryptus excelsus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 293. ♀. [o.d., Colo.
 (A.N.S.P.)]
Cryptus excelsus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]
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Subfamily 4. PHAEOGENINAE

Tribe 1. PHAEOGENINI

PHAEOGENES Wesmael

Phaeogenes Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 180.

Genotype: (*Phaeogenes primarius* Wesmael) = *semivulpinus* Gravenhorst.

Dirophanes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: (*Phygadeuon* (*Dirophanes*) *plesius* Viereck) = *hariolus* Cresson.

Phaeogenes acaudus (Provancher) new combination

Phygadeuon acaudus Provancher, Nat. Canad., 1882, 13: 334, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon acaudus Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

Dicaelotus acaudus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Phygadeuon acaudus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Phaeogenes arcticus Cushman

Phaeogenes arcticus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 251. ♂, ♀. [o.d., host *a*, Tongas National Forest, Alaska (U.S.N.M.)]

Phaeogenes arcticus Hopping and Leech, Canad. Ent., 1936, 68: 78. [host *b*, B.C.]

TORTRICIDAE: *a*, *Peronea* sp. DIPRIONIDAE: *b*, *Neodiprion tsugae*.

Phaeogenes ater Cresson

Phaeogenes ater Cresson, Trans. Amer. Ent. Soc., 1877, 6: 202. ♀. [o.d., Mo. (A.N.S.P.)]

Phaeogenes ater French, Papilio, 1881, 1: 106. [des., host *d*, Ill.]

Phaeogenes ater Cook, Ann. Rpt. Secr. State Hort. Soc. Mich., 1885, 14: 95. ♂, ♀. [des., host *c*, Mich.]

Amblyteles macrocephalus Provancher, Addit. Faune Canada, Hymén., 1886, p. 34. ♂. [o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Phaeogenes ater Riley and Howard, Insect Life, 1889 3: 83. [host *e*]

Phaeogenes ater, Riley and Howard, Insect Life, 1890, 3: 152. [host *c e*, Ill., Mich., Mo., Wis.]

Phaeogenes ater Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Phaeogenes ater Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Phaeogenes ater Nason, Ent. News, 1905, 16: 149. [Ill.]

Phaeogenes ater Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *a*, Miss.]

Phaeogenes ater Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Phaeogenes ater Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes ater Underhill, Jour. Econ. Ent., 1935, 28: 396. [host *b*]

Phaeogenes ater Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 399. [host *f*, Me.]

Phaeogenes ater Armstrong, Sci. Agr., 1940, 20: 565. [host *e*, Ont.]

AEGERIIDAE: a, *Conopia pyri*; b, *Conopia scitula*; c, *Conopia tipuliformis*; d, *Podosesia syringae*; e, *Sanninoidea exitiosa*; f, "*Sesia*" sp.

***Phaeogenes cacoeciae* Viereck**

Phaeogenes cacoeciae Viereck, Canad. Ent., 1924, 56: 66. ♂, ♀. [o.d., host *a*, Vernon, B.C. (C.N.C.)]

TORTRICIDAE: a, *Archips argyrospila*.

***Phaeogenes epinotiae* Cushman**

Phaeogenes epinotiae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 547. ♂, ♀. [o.d., host *a* b, Georgetown, Me. (U.S.N.M.)]

GELECHIIDAE: a, *Recurvaria piceaella*. OLETHREUTIDAE: b, *Epinotia nanana*.

***Phaeogenes gaspesianus* Provancher**

Phaeogenes Gaspesianus Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 770). ♀. [key, o.d., Douglastown, Que. (M.P.Q.)]

Phaeogenes Gaspesianus Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

Phaeogenes pimploides Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 98. ♀. [o.d., Chicoree Woods, Ithaca, N.Y. (Cornell Univ.)] New synonymy.

Phaeogenes gaspesianus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes gaspesianus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

Phaeogenes gaspesianus Schedl, Canad. Ent., 1932, 64: 2. [host *a*, N.S.]

Phaeogenes gaspesianus Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

Phaeogenes gaspesianus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *a*, Canada]

TORTRICIDAE: a, *Peronea variana*.

***Phaeogenes hariolus* (Cresson)**

Ichneumon hariolus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 305. ♀. [o.d., Mass. (A.N.S.P.)]

Phaeogenes hariolus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 202. ♀. [des., Mass., N.H.]

Phygadeuon (Dirophanes) plesius Viereck, Proc. U. S. Nat. Mus., 1912, 42: 148. ♀. [o.d., host *a*, Maniwaki, Que. (U.S.N.M.)]

Herpestomus hariolus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3. [syn.]

Phaeogenes hariolus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

Phaeogenes hariolus Schedl, Canad. Ent., 1932, 64: 2. [host *b*, N.S.]

Phaeogenes hariolus Hopping and Leech, Canad. Ent., 1936, 68: 78. [host *c*, B.C.]

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Phaeogenes hariolus Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

Herpestomus hariolus Bedard, Canad. Ent., 1938, 70: 195. [host *a*, *Ida*.]

Phaeogenes hariolus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *a*, Canada]

TORTRICIDAE: *a*, *Archips fumiferana*; *b*, *Peronea variana*. DIPRIONIDAE: *c*, *Neodiprion tsugae*.

Phaeogenes hebe (Cresson)

Ichneumon hebe Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

Phaeogenes hebe Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♀. [des., Conn., Ill., N.Y.]

Phaeogenes hebe Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Phaeogenes hebe Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key]

Phaeogenes hebe Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes hebe Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. N.Y.]

Phaeogenes hebe Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Phaeogenes hebrus (Cresson)

Ichneumon hebrus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Ill. (A.N.S.P.) Conn.]

Phygadeuon insignis Provancher, Nat. Canad., 1875, 7: 179, 182. ♀. [key, o.d., Que. (M.P.Q.)]

Phaeogenes hebrus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♂, ♀. [syn., des., Canada, Ill., N.Y.]

Phaeogenes hebrus Provancher, Nat. Canad., 1879, 11: 38; (Faune, p. 307). ♂, ♀. [key, des.]

Ichneumon ustus Provancher, Nat. Canad., 1882, 13: 305, 324; (Faune, p. 763). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phaeogenes hebrus Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

Phaeogenes hebrus Provancher, Addit. Faune Canada, Hymén., 1886, p. 39, 40. [key]

Phaeogenes hebrus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Phaeogenes hebras (!) Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Colpognathus hebrus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Herpestomus hebrus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Herpestomus hebrus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Phaeogenes hebrus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342.
[key]

Phaeogenes hebrus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Herpestomus hebrus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143.
[Me.]

Phaeogenes hebrus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
927. [N.Y.]

***Phaeogenes laevigatus* (Cresson)**

Ichneumon laevigatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 176. ♀. [o.d.,
Colo. (A.N.S.P.)]

Ichneumon laevigatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

Phaeogenes laevigatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.]

***Phaeogenes mellinus* (Provancher)**

Phygadeuon mellinus Provancher, Nat. Canad., 1875, 7: 315. ♀. [o.d., Que.
(M.P.Q.)]

Phaeogenes mellinus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. ♀. [des.,
Canada, Mass.]

Phaeogenes mellinus Provancher, Nat. Canad., 1879, 11: 39; (Faune, p. 308).
♀. [key, des.]

Phaeogenes mellinus Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769).
[key]

Phaeogenes mellinus Provancher, Addit. Faune Canada, Hymén., 1886, p. 40.
[key]

Phaeogenes mellinus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [biol.,
host a, Mass.]

Phygadeuon mellinus Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 100. [N.Y.]

Phaeogenes mellinus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
927. [N.Y.]

PTEROPHORIDAE: a, *Pterophorus periscelidactylus*.

***Phaeogenes orbus* Provancher**

Phaeogenes orbus Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 771). ♂.
[key, o.d., Cap Rouge, Que. (M.P.Q.)]

Phaeogenes orbus Provancher, Addit. Faune Canada, Hymén., 1886, p. 41. ♂,
♀. [key, ♀ des., B.C.]

Herpestomus orbus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Phaeogenes orbus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Herpestomus orbus Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

Herpestomus orbus Nason, Ent. News, 1905, 16: 149. [Ill.]

***Phaeogenes osrufus* (Davis) new combination**

Eurylabus osrufus Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♀. [o.d.,
Ill. (A.N.S.P.)]

Eurylabus varufus (!) Nason, Ent. News, 1905, 16: 148. [Ill.]

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Phaeogenes parvus (Provancher) new combination

Ischnus parvus Provancher, Nat. Canad., 1875, 7: 112. ♂. [key, o.d., Que. (M.P.Q.)]

Hemiteles parvus Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

Phaeogenes Farladeaui Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 771). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Hemiteles parvus Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781). [key]

Phaeogenes Farladeaui Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

Phaeogenes phycidis Ashmead

Phaeogenes phycidis Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♀. [o.d., host b, Canobie Lake, N.H. (U.S.N.M.)]

Phaeogenes phycidis Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host b, N.H.]

Phaeogenes phycidis Daviault, Nat. Canad., 1935, 62: 318, 319. [biol., host a, Que.]

PHYCITIDAE: a, *Acrobasis betulella*; b, *Acrobasis rubrifasciella*.

Phaeogenes pyriformis (Provancher)

Ischnus pyriformis Provancher, Nat. Canad., 1875, 7: 109. ♀. [key, o.d., Que. (M.P.Q.)]

Phaeogenes pyriformis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. ♂. [des., Canada, N.Y.]

Phaeogenes pyriformis Provancher, Nat. Canad., 1879, 11: 40; (Faune, p. 309). ♂, ♀. [key, des.]

Phaeogenes pyriformis Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

Phaeogenes pyriformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 40, 41. [key]

Herpestomus pyriformis Provancher, Addit. Faune Canada, Hymén., 1888, p. 358. [syn.]

Phaeogenes sitkensis (Ashmead) new combination

Eriplatys sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 162. ♀. [o.d., Sitka, Alaska (U.S.N.M.)]

Phaeogenes soriculatus (Provancher) new combination

Cryptus soriculatus Provancher, Nat. Canad., 1881, 13: 362; (Faune, p. 784). ♂. [o.d., Que. (M.P.Q.)]

Cryptus soriculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

Cryptus soriculatus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Phaeogenes spinicoxus (Viereck) new combination

Phygadeuon (*Bathymetis*) *spinicoxus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289. ♀. [o.d., Magdalena Mts., N.M. (Univ. Kans.)]

Phaeogenes vincibilis (Cresson)

Ichneumon vincibilis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Ill. (A.N.S.P.)]

Phaeogenes decoloratus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♀. [o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

Phaeogenes discus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♂. [o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

Phaeogenes vincibilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. [des.]

Phaeogenes discus Webster, Insect Life, 1890, 2: 382. [host *a*]

Phaeogenes vincibilis Riley and Howard, Insect Life, 1890, 3: 152. [host *b*, D.C., Ind.]

Phaeogenes discus Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

Phaeogenes vincibilis Slosson, Ent. News, 1900, 11: 319. [N.H.]

Phaeogenes discus Nason, Ent. News, 1905, 16: 149. [Ill.]

Phaeogenes vincibilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key, Conn.]

Phaeogenes vincibilis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Phaeogenes discus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Phaeogenes discus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes decoloratus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes vincibilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

Phaeogenes vincibilis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. PYRALIDIDAE: *b*, pyralidid on thistle.

Phaeogenes walshiae walshiae Ashmead

Phygadeuon walshiae Riley and Howard, Insect Life, 1890, 1: 153. [host *a*, Ill.] (*nomen nudum*)

Phaeogenes walshiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. ♂, ♀. [o.d., host *a*, Fairburg, Ill. (U.S.N.M.)]

Phaeogenes (*Centeterus*) *ineptifrons* Gahan, Proc. U. S. Nat. Mus., 1919, 55: 113. ♂, ♀. [o.d., host *d*, Washington, D.C. (U.S.N.M.)]

Centeterus ineptifrons Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]

Centeterus ineptifrons Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *d*, N.J., Pa., Va.]

Centeterus ineptifrons Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]

Centeterus ineptifrons Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *d*, N.J.]

Proscus walshiae Cushman, Proc. U. S. Nat. Mus., 1933, 82: 4. [syn., des., host *d*]

Proscus walshiae McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441, 445. [host *d*, Md.]

Proscus walshiae Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *b c d*, Del.]

Proscus walshiae Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *d*, Ohio]

MOMPHIDAE: *a*, *Walshia amorphella*. OLETHREUTIDAE: *b*, *Ancylis comptana*; *c*, *Epiblema strenuana*; *d*, *Grapholitha molesta*.

Phaeogenes walshiae australis (Cushman) new combination

Proscus walshiae var. *australis* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 5.

♂, ♀. [o.d., host *a*, Albany, Ga. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Laspeyresia caryana*.

DIADROMUS Wesmael

Diadromus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 207, 221.

Genotype: *Ichneumon troglodytes* Gravenhorst.

Diadromus erythrostomus (Cameron)

Stiboscopus erythrostomus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 244. ♀. [o.d., mountains near Claremont, Calif. (British Mus.)]

Phaeogenes erythrostomus Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [syn.]

Diadromus erythrostomus Morley, Ann. Mag. Nat. Hist., 1915, (8) 16: 336. [syn.]

Diadromus helvolus (Cresson) new combination

Ichneumon helvolus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Ill. (A.N.S.P.) Conn., Pa.]

Phaeogenes helvolus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.]

Ichneumon Magdalensis Provancher, Nat. Canad., 1890, 19: 248. ♂. [o.d., Magdalen Is., Que. (M.P.Q.)] New synonymy.

Phaeogenes helvolus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Phaeogenes helvolus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Phaeogenes helvolus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key]

Phaeogenes helvolus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Phaeogenes helvolus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

Ichneumon magdalensis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Diadromus marginatus (Provancher) new combination

Phygadeuon marginatus Provancher, Addit. Faune Canada, Hymén., 1886, p.

56. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Herpestomus marginatus Davis, Canad. Ent., 1895, 27: 287. [syn.]

Herpestomus marginatus Nason, Ent. News, 1905, 16: 149. [Ill.]

Phygadeuon marginatus Nason, Ent. News, 1905, 16: 150. [Ill.]

Diadromus plutellae (Ashmead) new combination

Herpestomus plutellae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 396. ♂.

[o.d., host *a*, Lafayette, Ind. (U.S.N.M.)]

Herpestomus plutellae Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [host *a*, Ind.]

Herpestomus plutellae Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 35.

[host *a*, Ohio.]

Herpestomus plutellae Slosson, Ent. News, 1895, 6: 317. [N.H.]

Herpestomus plutellae Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Diadromus subtilicornis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 548.

[syn.] (in part)

YPONOMEUTIDÆ: *a*, *Plutella maculipennis*.

RHEXIDERMUS Foerster

Ischnus of certain authors, not of the genotype.

Rhexidermus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 192.

Genotype: *Rhexidermus japonicus* Ashmead.

Posocentrus Provancher, Nat. Canad., 1875, 7: 272. New synonymy.

Genotype: *Posocentrus huardi* Provancher.

Ischnopsidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 77. New synonymy.

Genotype: *Ichneumon thoracicus* Gravenhorst.

Rhexidermus coloradensis (Cushman) new combination

Ischnopsidea coloradensis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. ♀.

[o.d., Colo. (U.S.N.M.)]

Rhexidermus huardi (Provancher) new combination

Posocentrus Huardi Provancher, Nat. Canad., 1875, 7: 273. ♀. [o.d., Que.

(M.P.Q.)]

Posocentrus Huarti (!) Provancher, Nat. Canad., 1879, 11: 251; (Faune, p. 409).

[des.]

Phaeogenes recticaudus Provancher, Addit. Faune Canada, Hymén., 1886, p. 42.

♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Phaeogenes Huarti (!) Provancher, Addit. Faune Canada, Hymén., 1888, p. 359,

367. [syn.]

Ischnopsidea alberta Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 1.

♀. [o.d., Edmonton, Alta. (U.S.N.M.)] New synonymy.

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CENTETERUS Wesmael

Centeterus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 176.

Genotype: *Centeterus major* Wesmael.

Centeterus euryptychiae (Ashmead) new combination

Colpognathus euryptychiae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 395. ♀.

[o.d., host *a*, Washington, D.C. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Epiblema scudderiana*.

Centeterus fungor (Cresson) new combination

Ichneumon fungor Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂. [o.d., N.Y. (A.N.S.P.) Conn., Ill., Pa.]

Ichneumon fungor Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host *a*, Conn.]

Cryptus certus Provancher, Nat. Canad., 1874, 6: 177, 200. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phaeogenes fungor Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. ♂. [des., Conn., Del., Ill., N.Y., Pa.]

Cryptus fungor Provancher, Nat. Canad., 1879, 11: 138; (Faune, p. 337). [key, syn., des.]

Cryptus ruficornis Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Cryptus fungor Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]

Cryptus ruficornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]

Phaeogenes fungor Provancher, Addit. Faune Canada, Hymén., 1888, p. 358. [syn.]

Phaeogenes fungor Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Phaeogenes fungor Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

Ichneumon fungor Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Phaeogenes fungor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900 27, suppl.: 568. [N.Y., Pa.]

Phaeogenes fungor Nason, Ent. News, 1905, 16: 149. [Ill.]

Phaeogenes fungor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key, Conn.]

Phaeogenes fungor Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Phaeogenes fungor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

Phaeogenes fungor Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Phaeogenes fungor Brimley, Insects of N.C., 1938, p. 405. [N.C.]

DIPRIONIDAE: *a*, *Neodiprion abietis*.

Centeterus linearis (Provancher) new combination

Cryptus linearis Provancher, Addit. Faune Canada, Hymén., 1886, p. 72. ♂.

[key, o.d., Bécancour, Que. (M.P.Q.)]

Phaeogenes beulahensis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂.
[o.d., hill above Beulah, N.M. (A.N.S.P.)] New synonymy.
Cryptus linearis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Centeterus quadriceps (Cresson)

Ichneumon quadriceps Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♂, ♀.
[o.d., Canada (A.N.S.P.)]
Phaeogenes quadriceps Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. [des.]
Phaeogenes quadriceps Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 771).
[key, des., Que.]
Centeterus quadriceps Roman, Ent. Tidskr., 1910, 31: 150. [syn.]
Phaeogenes (Centeterus) quadriceps Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 342. [key]
Phaeogenes quadriceps Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 97. [N.Y.]
Eparces quadriceps Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Eparces quadriceps Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
927. [N.Y.]

Centeterus tuberculifrons (Provancher)

Phygadeuon tuberculifrons Provancher, Nat. Canad., 1874, 6: 284. ♀. [key,
o.d., Que. (M.P.Q.)]
Phygadeuon tuberculifrons Provancher, Nat. Canad., 1875, 7: 183. [key]
Phaeogenes tuberculifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.,
Canada, Mass., N.Y.]
Phaeogenes tuberculifrons Provancher, Nat. Canad., 1879, 11: 39; (Faune, p.
308). [key, des.]
Phaeogenes tuberculifrons Provancher, Nat. Canad., 1882, 13: 330; (Faune, p.
769). [key]
Phaeogenes tuberculifrons Provancher, Addit. Faune Canada, Hymén., 1886, p.
39, 40. [key]
Phygadeuon fasciatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 55.
♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.
Centeterus tuberculifrons Provancher, Addit. Faune Canada, Hymén., 1888, p.
358. [syn.]
Colpognathus? fasciatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
Centeterus tuberculifrons Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.
[Kans.]
Centeterus tuberculifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
568. [N.Y.]
Centeterus tuberculifrons Nason, Ent. News, 1905, 16: 149. [Ill.]
Eparces tuberculifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
342. [des.]
Centetarus (!) tuberculifrons Washburn, Ann. Rpt. State Ent. Minn., 1918, 17:
172. [Minn.]
Centeterus tuberculifrons Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,
3, no. 2: 99. [Mass.]

COLPOGNATHUS Wesmael

Colpognathus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 174.

Genotype: *Ichneumon celerator* Gravenhorst.

Colpognathus helvus (Cresson)

Ichneumon helvus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Pa. (A.N.S.P.) Conn., Ill.]

Phygadeuon hilaris Provancher, Nat. Canad., 1874, 6: 284. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon hilaris Provancher, Nat. Canad., 1875, 7: 183. [key]

Phaeogenes helvus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. ♀. [syn., des., Canada, Conn., Ill., Mass., Pa.]

Phaeogenes helvus Provancher, Nat. Canad., 1879, 11: 40; (Faune, p. 308). [key, des.]

Phaeogenes helvus Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

Phaeogenes helvus Provancher, Addit. Faune Canada, Hymén., 1886, p. 41. [key]

Colpognathus helvus Provancher, Addit. Faune Canada, Hymén., 1888, p. 358. [syn.]

Colpognathus helvus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Colpognathus helvus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

Colpognathus helvus Nason, Ent. News, 1905, 16: 149. [Ill.]

Colpognathus helvus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [des.]

Colpognathus helvus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Colpognathus helvus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

Colpognathus helvus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Colpognathus helvus Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host a, Calif.]

PTEROPHORIDAE: a, *Platyptilia carduidactyla*.

DICAELOTUS Wesmael

Dicaelotus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 175.

Genotype: *Ichneumon pumilus* Gravenhorst.

Cinxaelotus Holmgren, Ichneum. Suec., 1889, 3: 367. New synonymy.

Genotype: *Cinxaelotus erythrogaster* Holmgren.

Leptodemas Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Leptodemas cariniscutis* Cameron.

Dicaelotus attenuatus (Provancher) new combination

Phygadeuon attenuatus Provancher, Nat. Canad., 1882, 13: 334, 359; (Faune, p. 781). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon attenuatus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Phygadeuon attenuatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.

[key]

Herpestomus? attenuatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186.

[syn.]

?*Herpestomus alternatus* Nason, Ent. News, 1905, 16: 149. [(lapsus for *attenuatus?*) Ill.]

Dicaelotus clypeatus (Cresson) new combination

Silpnus clypeatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂. [o d., Ill. (A.N.S.P.)]

Dicaelotus gelechiaae (Ashmead) new combination

Phaeogenes gelechiaae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 392. ♂, ♀. [o.d., host *a*, N.H. (U.S.N.M.)]

Phaeogenes gelechiaae Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host *a*, N.Y.]

Phaeogenes gelechiaae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [host *a*, N.Y.]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*.

Dicaelotus missouriensis (Ashmead) new combination

Phaeogenes missouriensis Ashmead, Proc. U.S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Mo. (U.S.N.M.)]

Phaeogenes hemiteloides Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Washington, D.C. (U.S.N.M.)] New synonymy.

Phaeogenes hemiteloides Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, D.C.]

MISCELLANEOUS: *a*, sawfly on *Betula nigra*.

Dicaelotus pacificus (Ashmead)

Ischyrocnemis pacificus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199. ♀, (♂ = *Phaeogenes* sp.). [o.d., Santa Crux Mts., Calif. (U.S.N.M.)]

Dicaelotus pacificus Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

Dicaelotus ruficornis (Ashmead) new combination

Phaeogenes ruficornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 394. ♀. [o.d., St. Louis, Mo. (U.S.N.M.)]

Dicaelotus sectus (Provancher) new combination

Phaeogenes sectus Provancher, Addit. Faune Canada, Hymén., 1888, p. 358.

♂. [o.d., Vancouver Is., B.C. (M.P.Q.)]

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- Herpestomus flavicoxae* Harrington, Canad. Ent., 1894, 26: 210. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.
Phaeogenes sectus Harrington, Canad. Ent., 1897, 29: 43. [B.C.]
Phygadeuon (Plesignathus) taeniatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 335, 336. (♂). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
Phaeogenes sector (!) Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Dicaelotus testaceicornis (Cameron)

- Bathymetis testaceicornis* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 245. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]
Dicaelotus testaceicornis Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [des.]
(Phaeogenine) testaceicornis Heinrich, Ann. Mag. Nat. Hist., 1927, (10) 20: 260. [syn.]

STENODONTUS Berthoumieu

- Gnathoxys* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 168.
 Preoccupied by Westwood, 1842.
 Genotype: *Ichneumon marginellus* Gravenhorst.
Stenodontus Berthoumieu, Ann. Soc. Ent. France, 1896, 65: 346.
 Genotype: *Ichneumon marginellus* Gravenhorst.
 An undescribed Nearctic species of this genus is in the Townes Collection.

Subfamily 4. PHAEOGENINAE

Tribe. 2. PLATYLABINI

APAELETICUS Wesmael

- Apaeleticus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 166.
 Genotype: *Apaeleticus bellicosus* Wesmael.

Apaeleticus americanus Cushman

- Apaeleticus americanus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 4.
 ♀. [o.d., Cabin John, Md. (U.S.N.M.), Me.]

CYCLOLABUS Heinrich

- Cyclolabus* Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 198.
 Genotype: *Platylabus nigricollis* Wesmael.

Cyclolabus pactor (Wesmael)*

- Platylabus? pactor* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 164.
 ♀. [o.d., Brussels, Belgium (?Brussels Mus.)]
Cyclolabus pactor Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 198. [syn.]

* The following Nearctic material is in the Townes Collection: ♂, ♀. Westport, Wash., VII-17-40, H. and M. Townes; ♀, Crescent City, Calif., VIII-1-40, H. and M. Townes.

PLATYLABUS Wesmael

Platylabus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 150, 153.

Genotype: *Platylabus rufus* Wesmael.

?*Stenolabus* Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 197. Preoccupied by Schultless, 1910. New synonymy.

Genotype: *Platylabus laticapus* Thomson.

Platylabus californicus Cresson

Platylabus californicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♀. [key, o.d., San Zalito, Calif. (A.N.S.P.)]

Platylabus californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 357. [des.]

Platylabus californicus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 161. [Alaska]

Platylabus californicus Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

Platylabus canadensis Cresson

Platylabus canadensis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, o.d., Canada (A.N.S.P.)]

Platylabus canadensis Bradley, Canad. Ent., 1903, 35: 282. [key, fig.]

Platylabus canadensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

Platylabus clarus (Cresson)

Ichneumon clarus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♀. [o.d. Mass. (A.N.S.P.)]

Platylabus clarus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♂, ♀. [key, des., Mass., N.H.]

Platylabus magnificus Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. ♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

Platylabus clarus Bradley, Canad. Ent., 1903, 35: 280. [key, syn., fig.]

Platylabus metallicus Bradley, Canad. Ent., 1903, 35: 280. ♂, ♀. [key, o.d., fig., N.H. (A.N.S.P.), Me.] New synonymy.

Platylabus clarus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key]

Platylabus consors Cresson

Platylabus consors Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♂. [key, o.d., Calif. (A.N.S.P.)]

Platylabus consors Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

Platylabus consors Bradley, Canad. Ent., 1903, p. 282. [key, fig.]

Platylabus gracilicornis (Viereck) new combination

Cratichneumon gracilicornis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. ♀. [o.d., Dailey Canyon, N.M. (A.N.S.P.)]

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Platylabus incabus Davis

Platylabus incabus Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♀. [o.d., Moscow, Ida. (A.N.S.P.)]

Platylabus incabus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 160. ♂. [des., Alaska]

Platylabus lineolatus (Provancher)

Ichneumon lineolatus Provancher, Nat. Canad., 1875, 7: 24, 82. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon rufipes Provancher, Nat. Canad., 1875, 7: 181, 183. ♀. [key, o.d., Que. (M.P.Q.)]

Platylabus lineolatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♀. [key, syn., des.]

Platylabus lineolatus Provancher, Nat. Canad., 1879, 11: 38; (Faune, p. 306). [key, des.]

Platylabus lineolatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

Platylabus lineolatus Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

Platylabus pulcher Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 1. ♀. [o.d., Whitefish Point, Mich. (U.S.N.M.)] New synonymy.

Platylabus (!) *lineolatus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Platylabus montanus Cresson

Platylabus montanus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)].

Platylabus montanus Bradley, Canad. Ent., 1903, 35: 282. [key, fig.]

Platylabus ornatus (Provancher)

Phygadeuon ornatus Provancher, Nat. Canad., 1875, 7: 181, 183. ♀. [key, o.d., Que. (M.P.Q.)]

Platylabus ornatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, des.]

Platylabus ornatus Provancher, Nat. Canad., 1879, 11: 36; (Fauna, p. 305). ♀. [key, des.]

Platylabus ornatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

Platylabus ornatus Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

Platylabus ornatus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*.

Platylabus pedatorius (Fabricius)*

Ichneumon pedatorius Fabricius, Ent. System., 1793, 2: 133. ♂. [o.d., "Habitat Kiliae," Europe. (location of type unknown)]

Platylabus pedatorius Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 158. ♂, ♀. [des., Belgium]

Platylabus rubricapensis Provancher

Platylabus Rubri Capensis Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 768). ♀. [o.d., Que. (M.P.Q.)]

Platylabus Rubricapensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

Platylabus rubricapensis Bradley, Canad. Ent., 1903, 35: 277. [key]

Platylabus rubricapensis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Platylabus scutellatus (Provancher)

Ischnus scutellatus Provancher, Nat. Canad., 1875, 7: 111. ♂. [key, o.d., Que. (M.P.Q.)]

Platylabus scutellatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♂. [key, des.]

Eurylabus agilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♂, ♀. [o.d., N.Y. (A.N.S.P.) Canada, Mass.] New synonymy.

Platylabus scutellatus Provancher, Nat. Canad., 1879, 11: 36; (Faune, p. 304). [key, des.]

Platylabus scutellatus Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 769). ♀. [des.]

Platylabus scutellatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

Platylabus scutellatus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Platylabus scutellatus Bradley, Canad. Ent., 1903, 35: 277. [key]

Eurylabus agilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [des.]

Platylabus signatus (Provancher)

Phygadeuon signatus Provancher, Nat. Canad., 1874, 6: 282. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon signatus Provancher, Nat. Canad., 1875, 7: 183. [key]

Platylabus signatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, des.]

Platylabus signatus Provancher, Nat. Canad., 1879, 12: 36; (Faune, p. 305). [key, des.]

Phygadeuon signatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

* The following Nearctic material is in the Townes Collection: ♀, Mt. Rainier, Wash., 5500 ft., VII-23-40, H. and M. Townes; ♂, ♀, Mt. Rainier, Wash., 5300 ft., VIII-16-40, H. and M. Townes.

Platylabus signatus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Platylabus signatus Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

Platylabus tibialis Ashmead

Platylabus tibialis Ashmead, Psyche, 1901, 9: 147. ♀. [o.d., Las Vegas Range between Pecos and Sapello rivers, 11000 ft., N.M. (U.S.N.M.)]

Platylabus vafer (Cresson) new combination

Ichneumon vafer Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

Amblyteles vafer Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Genus **PRISTICEROS** Gravenhorst

Pristicerus Gravenhorst, Ichneum. Europeae, 1829, 1: 635.

Genotype: *Pristicerus serrarius* Gravenhorst.

Pristicerus bakeri (Davis) new combination

Platylabus bakeri Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♂. [o.d., ?Ann Arbor, Mich. (A.N.S.P.)]

Platylabus bakeri Bradley, Canad. Ent., 1903, 35: 283. [key]

Pristicerus lascivus (Cresson) new combination

Ichneumon lascivus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♀ (not ♂). [o.d., Ill. (A.N.S.P.)]

Ichneumon lascivus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀ (not ♂). [key, des.]

THAUMATOTELES Hopper

Thaumatotetes Hopper, Trans. Amer. Ent. Soc., 1938, 68: 103.

Genotype: *Hoplismenus ornatus* Cresson.

Thaumatotetes ornatus (Cresson)

Hoplismenus ornatus Cresson, Trans. Amer. Ent. Soc., 1869, 2: 92. ♀. [o.d., N.Y. (A.N.S.P.)]

Amblyteles? ornatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. ♀. [key, des.]

Platylabus foxi Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♂. [o.d., Camden, N.J. (A.N.S.P.)] New synonymy.

Platylabus foxi Bradley, Canad. Ent., 1903, 35: 282. [key]

Hoplismenus ovatus Berthoumieu, Genera Insectorum, 1904, 18: 30. Lapsus for *Hoplismenus ornatus* Cresson.

Amblyteles ornatus Nason, Ent. News, 1905, 16: 149. [Ill.]

Thaumatotetes ornatus Hopper, Trans. Amer. Ent. Soc., 1938, 64: 105. ♀. [des.]

HYPOMECUS Wesmael

Hypomecus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 147.

Genotype: (*Hypomecus albitarsis* Wesmael) = *quadriannulatus* Gravenhorst.

Hypomecus quadriannulatus (Gravenhorst)*

Mesoleptus quadriannulatus Gravenhorst, Ichneum. Europeae, 1829, 2: 13.

♂. [o.d., Warmbrunn, Germany (?Breslau Mus.).]

Hypomecus 4-annulatus Kreichbaumer, Ent. Nachr., 1891, 17: 46. ♂, ♀. [syn.]

ECTOPIUS Wesmael

Ectopius Wesmael, Mém. Acad. Sci. Belg., 1859, 8: 14.

Genotype: (*Ichneumon rubellus* Gravenhorst) = *rubellus* Gmelin.

Ectopius gracilicornis (Provancher) new combination

Phygadeuon gracilicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 56. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Herpistomus (!) *gracilicornis* Davis, Canad. Ent., 1895, 27: 287. [syn.]

Ectopius impressus (Provancher) new combination

Phygadeuon impressus Provancher, Nat. Canad., 1874, 6: 281. ♀. [key, o.d., Que. (type lost)]

Ichneumon erythropygus Provancher, Nat. Canad., 1875, 7: 24, 79. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Phygadeuon impressus Provancher, Nat. Canad., 1875, 7: 183. [key]

Platylabus thoracicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. [key, syn., des., Canada, N.H., N.Y., Pa.] (in part)

Platylabus thoracicus var. *erythropygus* Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306). [des.]

Apaeleticus thoracicus var. *erythropygus* Bradley, Canad. Ent., 1903, 35: 275. [syn.]

Platylabus erythropygus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3. [syn.]

Ectopius subdentatus (Ashmead) new combination

Probolus subdentatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 160. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

* The following Nearctic material is in the Townes Collection: ♂, Snoqualmie Pass, Wash. VII-3-40, H. and M. Townes; ♂, Ashford, Wash., VII-27-40, H. and M. Townes; ♂, Mt. Rainier, Wash., 2900 ft., VII-28-40, H. and M. Townes; ♀, Crescent City, Calif., VIII-1-40, H. and M. Townes; ♀, Rabbit Ears Pass, Colo., VIII-24-40, H. and M. Townes.

Ectopius thoracicus (Cresson) new combination

Hoplismenus thoracicus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 288. ♂.
[o.d., Pa. (A.N.S.P.)]

Platylabus thoracicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. [key,
syn., des., Canada, N.H., N.Y., Pa.] (in part)

Platylabus thoracicus Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306).
[key, des.]

Platylabus thoracicus Provancher, Addit. Faune Canada, Hymén., 1886, p. 36.
[key]

Apaeleticus thoracicus Bradley, Canad. Ent., 1903, 35: 275. [syn.]

Platylabus (Apaeleticus) thoracicus Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 343. [key]

Platylabus thoracicus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3.
[syn.]

Subfamily 4. PHAEOGENINAE

Tribe 3. LISTRODROMINI

ANISOBAS Wesmael

Anisobas Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 145.

Genotype: (*Ichneumon cingulatorius* Wesmael) = *cingulatorius* Gravenhorst.

Anisobas bicolor Cushman

Anisobas bicolor Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 2. ♂, ♀.
[o.d., Lolo Trail, Bitter Root Mts., Ida. (U.S.N.M.), Calif., Wash.]

Anisobas coloradensis (Cresson) new combination

Amblyteles coloradensis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀.
[key, o.d., Colo. (A.N.S.P.)]

Anisobas luzernensis (Bradley) new combination

Platylabus luzernensis Bradley, Canad. Ent., 1903, 35: 282. ♀. [key, o.d.,
fig., White Haven, Luzerne Co., Pa. (Cornell Univ.)]

Anisobas nearcticus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 2. ♀.
[o.d., Mt. Desert, Me. (U.S.N.M.)] New synonymy.

Anisobas nearcticus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143.
[Me.]

Anisobas separatus (Davis) new combination

Eurylabus separatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♀. (not
♂). [o.d., Algonquin, Ill. (A.N.S.P.)]

Anisobas texensis (Ashmead)

Cryptus texensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 410. ♀ (not ♂).

[key, o.d., Tex. (U.S.N.M.)]

Anisobas texensis Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 1, ♂, ♀.

[Tex.]

NEOTYPUS Foerster

Neotypus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 194.

Genotype: *Ichneumon lapidator* Fabricius.

Neotypus americanus Cushman

?*Neotypus lapidator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632.

[N.J.] Misdetermined?

Neotypus americanus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 1.

♂. [o.d., Hocking Co., Ohio (U.S.N.M.)]

Neotypus americanus Peck, Canad. Jour. Res., 1937, D, 15: 236, 250. [morphology, fig., ♂ genitalia]

Neotypus lapidator (Fabricius)

Ichneumon lapidator Fabricius, Ent. System. 1793, 2: 160. [o.d., Halle, Germany (location of type unknown)] Preoccupied by Fabricius, 1787, but not renamed because of taxonomic uncertainties.

Neotypus lapidator Holmgren, Ichneum. Suecica, 1871, 2: 292. ♂, ♀. [syn., des., France, Holland, Sweden]

Neotypus lapidator Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 1. ♀. [Ore.]

Subfamily 4. PHAEOGENINAE

Tribe 4. ISCHNOJOPPINI

TROGOMORPHA Ashmead

Trogomorpha Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 15.

Genotype: *Ichneumon trogiformis* Cresson.

Trogomorpha trogiformis (Cresson)

Ichneumon ferrugator Fabricius, Ent. System., 1793, 2: 154. [o.d., "ad *America littora*" (location of type unknown).] Preoccupied by Swederus, 1787.

Joppa ferrugator Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 295. ♂, ♀. [des., Carolina, Pa.]

Ichneumon trogiformis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 175. ♂. [o.d., N.J. (A.N.S.P.)]

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- Ichneumon? trogiformis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♂, ♀.
[des., Fla., La., N.J.]
- Joppa ferrugator* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]
- Ichneumon trogiformis* Cresson, Trans. Amer. Ent. Soc., 1872, 3: 156. [Tex.]
- Ichneumon trogiformis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂, ♀.
[key, des., Fla., Ga., La., N.J., Tex.]
- Ichneumon ferrugator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 308. [des.]
- Trogomorpha trogiformis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 15. [syn.]
- Ichneumon trogiformis* Foster, Proc. La. Soc. Nat. for 1897-1899, 1900, p. 63.
[La.]
- Trogomorpha trogiformis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 221. [Tex.]
- Trogomorpha trogiformis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 72. [syn.]
- Trogomorpha ferrugator* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Trogomorpha ferrugator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 921. [syn., N.Y.]
- Trogomorpha ferrugator* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

Subfamily 4. PHAEOGENINAE

Tribe 5. ACANTHOJOPPINI

PSEUDOPLATYLABUS Smits van Burgst

Pseudoplatylabus Smits van Burgst, Ent. Ber., 1920, 5: 282.

Genotype: (*Pseudoplatylabus caudatus* Smits van Burgst) = *violentus* Gravenhorst.

An undescribed Nearctic species of this genus is in the Townes Collection.

Subfamily 4. PHAEOGENINAE

Tribe 6. EURYLABINI

PROBOLUS Wesmael

Probolus Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 150.

Genotype: (*Ichneumon fossorius* Gravenhorst) = *alticola* Gravenhorst.

Probolus expunctus (Cresson) new combination

Ichneumon obliterated Cresson, Proc. Ent. Soc. Phila., 1864, 3: 147. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1855.

Ichneumon obliterated Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

Ichneumon expunctus Cresson, Proc. Ent. Soc. Phila., 1867, 1: 290. [new name for *Ichneumon obliterated* Cresson]

Amblyteles expunctus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂.
[key, des.]

Trogus Provancheri Burque, Nat. Canad., 1879, 11: 128. ♂. [o.d., Que. (location of type unknown)]

Amblyteles expunctus Provancher, Nat. Canad., 1882, 13: 327; (Faune, p. 766).
[syn., des., Que.]

Amblyteles expunctus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Probolus illaetabilis (Cresson) new combination

Amblyteles illaetabilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♂.
[key, o.d., Ga. (A.N.S.P.)]

Amblyteles innotabilis (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

Amblyteles illaetabilis Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Probolus indistinctus (Provancher) new combination

Ichneumon indistinctus Provancher, Nat. Canad., 1875, 7: 23, 75. ♀. [key, o.d., Que. (M.P.Q.)]

Amblyteles indistinctus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.
[key, des., Canada, Ga., Mass., N.H.]

Amblyteles indistinctus Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 300).
[key, des.]

Amblyteles indistinctus Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

Amblyteles indistinctus Slosson, Ent. News, 1896, 7: 264. [N.H.]

Amblyteles indistinctus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Amblyteles indistinctus Johnson, Pub. Nantucket, Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Subfamily 4. PHAEOGENINAE

Tribe 7. AMBLYTELINI

HOPLISMENUS Gravenhorst

Hoplismenus Gravenhorst, Ichneum. Europeae, 1829, 2: 409.

Genotype: (*Hoplismenus maestus* Gravenhorst) = *armatorius* Panzer.

Rhysaspis Tischbein, Stett. Ent. Ztg. 1874, 35: 139.

Genotype: *Rhysaspis rugosus* Tischbein.

Hoplismenus morulus variety **morulus** (Say)

Ichneumon morulus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 73;
(Leconte Ed., 1: 377). ♀. [o.d., Ind. (type destroyed)]

Ichneumon (*Ichneumon*) *morulus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Ichneumon morulus Say, Boston Jour. Nat. Hist., 1836, 1: 227; (Leconte Ed., 2: 685). [des.]

Hoplismenus morulus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [Eastern, Middle, and Western States]

Ichneumon calcaratus Provancher, Nat. Canad., 1875, 7: 21, 49. ♂. [key, o.d., Que. (M.P.Q.)]

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Hoplismenus morulus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂, ♀.
[key, syn., des., Canada, Conn., N.J., N.Y., Va.]

Hoplismenus morulus Provancher, Nat. Canad., 1879, 11: 2; (Faune, p. 291).
[key, des.]

Hoplismenus morulus Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1878. [fig., host *a b*, Me., Mass.]

Hoplismenus morulus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Hoplismenus morulus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Hoplismenus morulus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Hoplismenus morulus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
[N.J., N.Y.]

Hoplismenus morulus Howard, The Insect Book, 1902, plate 10, fig. 29.

Hoplismenus morulus Nason, Ent. News, 1905, 16: 148. [Ill.]

Hoplismenus morulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343.
[des.]

Hoplismenus morulus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]

Hoplismenus morulus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Hoplismenus morulus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
927. [host *a b*, N.Y.]

Hoplismenus morulus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
1934, 188: 141. [biol., host *b*, Me.]

NYPHALIDAE: *a*, *Nymphalis antiopa*; *b*, *Polygonia interrogationis*.

***Hoplismenus morulus* variety *flavitorsis* (Cresson)**

Trogus flavitorsis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. ♂. [o.d.,
Colo. (A.N.S.P.)]

Hoplismenus flavitorsis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [syn.]

Hoplismenus flavitorsis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♂.
[key, des.]

Hoplismenus morulus var. *flavitorsis* Viereck, Trans. Amer. Ent. Soc., 1903, 29:
75. [N.M.]

***Hoplismenus pacificus* Cresson**

Hoplismenus pacificus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂, ♀.
[key, o.d., Vancouver, Is., B.C. (A.N.S.P.)]

Hoplismenus pacificus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354.
[des.]

***Hoplismenus propitius* (Cresson) new combination**

Ichneumon propitius Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [o.d.,
Bosque Co., Tex. (U.S.N.M.)]

Ichneumon propitius Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂.
[key, des.]

Ichneumon tharotis Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 22. ♀.
[o.d., host *b*, (?Mass.) (U.S.N.M.)] New synonymy.

Ichneumon instabilis Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1876. [syn. (in part), host *b*] Misdetermined in part.

Amblyteles propitius Cushman, Proc. U. S. Nat. Mus., 1933, 82: 1. ♂, ♀.
[des., host *a b*, Ill., Mass., N.H.]

Amblyteles propitius Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *a*, N.H.]

Amblyteles propitius Brimley, Insects of N.C., 1938, p. 405. [N.C.]

NYMPHALIDAE: *a*, *Melitaea harrisii*; *b*, *Phyciodes tharos*.

Hoplismenus rutilus (Cresson)

Ichneumon rutilus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 169. ♀. [o.d., Va. (A.N.S.P.)]

Ichneumon? rutilus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, des.]

Hoplismenus rutilus Cushman, Proc. U. S. Nat. Mus., 1933, 82: 1. [syn.]

Hoplismenus rutilus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.
[Me.]

Hoplismenus rutilus (!) Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Hoplismenus scutellatus (Provancher)

Ichneumon scutellatus Provancher, Nat. Canad., 1875, 7: 24, 78. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Hoplismenus scutellatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂.
[key, des.]

Hoplismenus scutellatus Provancher, Nat. Canad., 1879, 11: 3; (Faune, p. 291).
[key, des.]

Hoplismenus transversus Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♂.
[o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

PLAGIOTRYPES Ashmead

Plagiotrypes Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 20.

Genotype: *Ichneumon concinnus* Say.

Neopyga Heinrich, Mitt. Zool. Mus. Berlin, 1930, 15: 545. New synonymy.

Genotype: *Neopyga armata* Heinrich. By present designation.

Plagiotrypes concinnus (Say)

Ichneumon concinnus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 68;
(Leconte Ed. 1: 274). (♀) (not second ♀ described). [o.d., Ind. (M.C.Z.)]

Hoplismenus concinnus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [syn.]

Amblyteles? concinnus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. [key, des., Ill., N.C.]

Plagiotrypes concinnus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 20. [syn.]

MEM. AMER. ENT. SOC., 11 pt. 1.

Plagiotrypes concinnus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]

Amblyteles concinnus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

MELANICHNEUMON Thomson

Melanichneumon Thomson, Opusc. Ent., 1893, 18: 1954.

Genotype: *Ichneumon spectabilis* Holmgren.

Barichneumon Thomson, Opusc. Ent., 1893, 18: 1959.

Genotype: *Ichneumon anator* Gravenhorst.

Bystra Cameron, Ann. Mag. Nat. Hist., 1902, (7), 9: 149.

Genotype: *Bystra testacea* Cameron.

Lissosculpta Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 193.

Genotype: *Ichneumon impexus* Tosquinet.

Intermedichneumon Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 194.

Genotype: *Ichneumon ocellus* Tosquinet.

Menkokia Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 194.

Genotype: *Melanichneumon (Menkokia) major* Heinrich.

Melanichneumon absconditus (Provancher) new combination

Ichneumon absconditus Provancher, Addit. Faune Canada, Hymén., 1886, p. 31.

♂. [o.d., Ottawa, Ont. (M.P.Q.)]

Melanichneumon albomarginatus (Cresson) new combination

Ichneumon albomarginatus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♂.

[o.d., Miss. (A.N.S.P.)]

Ichneumon albomarginatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂.

[key, des.]

Ichneumon albomarginatus Provancher, Nat. Canad., 1878, 10: 270, 299;

(Faune, p. 275). [key, des., Que.]

Melanichneumon annulicornis (Ashmead) new combination

Colpognathus annulicornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 396. ♀.

[o.d., Bayou Sara, La. (U.S.N.M.)]

Melanichneumon blandii (Cresson) new combination

Ischnus blandii Cresson, Proc. Ent. Soc. Phila., 1864, 3: 188. ♂. [o.d., Pa.

(A.N.S.P.)]

Ichneumon blandii Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn.]

Ichneumon blandii Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key,

des.]

Ichneumon blandii Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.

[N.Y.]

Ichneumon blandi Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]

Amblyteles blandii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles blandii Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Melanichneumon brevicinctor (Say) new combination

Ichneumon brevicinctor Say, Amer. Ent., 1825, 2: 49; (Leconte Ed., 1: 49). ♂. [o.d., fig., no locality given (type destroyed)].

Ichneumon (Ichneumon) brevicinctor Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Ichneumon brevicinctor Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte Ed., 2: 686). [des.]

Ichneumon brevicinctor? Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 193. [des., fig., N.Y.]

Ichneumon extrematis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 149. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon brevicinctor Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

Ichneumon brevicinctor Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

Ichneumon extrematatis (!) Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

Phygadeuon niger Provancher, Nat. Canad., 1874, 6: 280. ♀. [key, o.d., Que. (type lost)]

Ichneumon brevicinctor Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

Phygadeuon niger Provancher, Nat. Canad., 1875, 7: 182. [key]

Ichneumon extrematatis (!) Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♂, ♀. [key, des., Canada, Ill., La., Mass., N.H.]

Ichneumon brevicinctor Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. [key, des., Canada, Colo., Del., Md., Mass., N.J.]

Ichneumon extrematatis (!) Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p. 270). [key, des.]

Ichneumon brevicinctor Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p. 270). ♂, (not ♀). [key, des.]

Ichneumon brevicinctus (!) Webster, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 46. [host f, Ind.]

Ichneumon brevicinctor Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon extrematatus (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon brevicinctor Slosson, Ent. News, 1895, 6: 4. [N.H.]

Ichneumon extrematatis (!) Slosson, Ent. News, 1898, 9: 253. [N.H.]

Ichneumon brevicinctor Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon brevicinctor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

Ichneumon extrematatis (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

- Ichneumon brevicinctor* Nason, Ent. News, 1905, 16: 147. [Ill.]
Ichneumon extrematatis (!) Nason, Ent. News, 1905, 16: 147. [Ill.]
Ichneumon (Eurylabus) extrematatis (!) Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
Ichneumon (Cratichneumon) extrematatis (!) Viereck, Trans. Amer. Ent. Soc., 1905, 32: 183. [Kans.]
Cratichneumon extrematatis (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
Ichneumon brevicinctor Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]
Ichneumon extrematatis (!) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
Ichneumon extrematis Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 125: 10. [biol., host *e*, D.C.]
Ichneumon extrematatis (!) Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host *b*, Mass.]
Ichneumon extrematus (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Amblyteles (Melanichneumon) extrematatis (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
Amblyteles (Cratichneumon) brevicinctor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
Amblyteles brevicinctor Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
Amblyteles brevicinctor Viñal and Caffrey, Bull. Mass. Agr. Exp. Sta., 1919, 189: 58. [host *a*, Mass.]
Amblyteles brevicinctor Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [syn., des., host *d*, Va.]
Amblyteles extrematatis (!) Champlain, Psyche, 1922, 29: 100. [host *g*, Pa.]
Amblyteles brevicinctor Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
Amblyteles extrematis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
Amblyteles brevicinctor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [host *a*, N.Y.]
Amblyteles brevicinctor Ries, Bull. Amer. Iris Soc., 1929, 32: 38. [host *h*, Md.]
Amblyteles brevicinctor Johnson, Pub. Nantucket Maria Mitchell Ass. 1930, 3, no. 2: 97. [Mass.]
Amblyteles brevicinctor Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host *c*, Wis.]
Amblyteles brevicinctor Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *i*, N.J.]
Amblyteles brevicinctor Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*. GEOMETRIDAE: *b*, *Itame sulphurea*. PHALAENIDAE: *c*, *Achatodes zae*; *d*, *Bleptina* sp.; *e*, *Callopietria floridensis*; *f*, *Cirphis unipuncta*; *g*, *Lascoria ambigualis*; *h*, *Macronoctua onusta*. ARCTIIDAE: *i*, *Hyphantria cunea*.

Melanichneumon cordatus (Cresson) new combination

Ichneumon cordatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 146. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon cordatus Cresson, Proc. Ent. Soc. Phila., 1865, 3: 250. [Colo.]

Ichneumon cordatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, des.]

Melanichneumon disparilis (Cresson) new combination

Ichneumon disparilis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♀. [o.d., Conn. (A.N.S.P.)]

Ichneumon disparilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, des.]

Amblyteles (*Pterocormus*?) *disparilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles disparilis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 395. [Me.]

Ichneumon disparilis Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Melanichneumon gestuosus (Cresson) new combination

Ichneumon gestuosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), B.C.]

Cratichneumon pluto Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Amblyteles questuosus (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

Amblyteles gestuosus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.?]

Amblyteles ohioensis DeGant, Proc. U. S. Nat. Mus., 1933, 82, art. 11: 1. ♂, ♀. [o.d., Bedford, Ohio (U.S.N.M.)] New synonymy.

Melanichneumon heiligbrodtii (Cresson) new combination

Ichneumon Heiligbrodtii Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key, o.d., Bastrop, Tex. (A.N.S.P.)]

Amblyteles heiligbrodti Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles heiligbrodti Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Melanichneumon helvipes (Cresson) new combination

Ichneumon helvipes Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♂, ♀. [o.d., Ill. (A.N.S.P.), Conn., Mass.]

Ichneumon helvipes Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]

Phygadeuon niger Provancher, Nat. Canad., 1876, 8: 317. ♀. [o.d., Que. (type lost)] Preoccupied by Provancher, 1874.

Ichneumon helvipes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂, ♀. [key, syn., des.]

Ichneumon helvipes Provancher, Nat. Canad., 1878, 10: 267, 270, 299; (Faune, p. 275). [key, des.]

Phygadeuon electus Provancher, Addit. Faune Canada, Hymen., 1886, p. 51. ♂ (not ♀). [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Ichneumon helvipes Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon helvipes Nason, Ent. News, 1905, 16: 147. [Ill.]

Amblyteles (*Barichneumon*) *helvipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles helvipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

***Melanichneumon honestus* (Cresson) new combination**

Ichneumon honestus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 310. ♂. [o.d., W.Va. (A.N.S.P.)]

Ichneumon honestus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, des., Ga., W.Va.]

Amblyteles honestus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Melanichneumon leviculus* (Cresson) new combination**

Ichneumon leviculus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, o.d., N.Y. (A.N.S.P.), Va.]

Ichneumon leviculus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Amblyteles (*Cratichneumon*?) *leviculus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

Amblyteles leviculus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles leviculus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles leviculus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Melanichneumon libens* (Cresson) new combination**

Ichneumon libens Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♂. [key, o.d., Ill. (A.N.S.P.), N.J., N.Y.]

***Melanichneumon limbifrons* (Cresson) new combination**

Ichneumon limbifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 182. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon limbifrons Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

Ichneumon limbifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des.]

Ichneumon (*Barichneumon*) *limbifrons* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Colo.]

Melanichneumon mimicus (Cresson) new combination

Ichneumon mimicus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 300. ♂. [o.d., Mass. (A.N.S.P.), Conn.]

Ichneumon mimicus Provancher, Nat. Canad., 1875, 7: 23, 74. [key, des., Que.]

Ichneumon mimicus Provancher, Nat. Canad., 1875, 7: 239. [Que.]

Ichneumon mimicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Canada, Conn., Mass., N.Y.]

Ichneumon mimicus Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 277). [key, des.]

Ichneumon mimicus Nason, Ent. News, 1905, 16: 148. [Ill.]

Amblyteles (*Pterocormus*?) *mimicus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles mimicus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles mimicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Melanichneumon nigripes (Provancher) new combination

Ichneumon nigripes Provancher, Nat. Canad., 1882, 13: 310, 324; (Faune, p. 764). ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Amblyteles nigripes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Melanichneumon ornatipes (Cresson) new combination

Ichneumon ornatipes Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♂. [o.d., W.Va. (A.N.S.P.)]

Ichneumon ornatipes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key, des.]

Melanichneumon residuus (Say) new combination

Ichneumon residuus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 73; (Leconte Ed., 1: 377). (♀). [o.d., Ind. (type destroyed)]

Ichneumon (*Ichneumon*) *residuus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Ichneumon residuus Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 688). [des.]

Ichneumon utilis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♂. [o.d., host *a*, Mass. (A.N.S.P.) Conn.] New synonymy.

Ichneumon residuus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Md., Mass., Pa.]

Ichneumon utilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♂. [key, des., Conn., Mass., N.Y.]

Platylabus (Colocnema?) omniferrugineus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 322. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

Amblyteles (Pterocormus?) utilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles residuus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167. [syn.]

GEOMETRIDAE: a, canker worm.

Melanichneumon rubicundus (Cresson) new combination

Ichneumon rubicundus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 176. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon rubicundus Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host b, Conn.]

Ichneumon rubicundus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

Ichneumon mucronatus Provancher, Nat. Canad., 1875, 7: 24, 81. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Ichneumon mucronatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♂. [key, des., Canada, Va.]

Ichneumon rubicundus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Canada, Ill., Tex.]

Ichneumon mucronatus Provancher, Nat. Canad., 1878, 10: 273, 364; (Faune, p. 290). [key, des.]

Ichneumon rubicundus Provancher, Nat. Canad., 1882, 13: 311, 326; (Faune, p. 765). ♂. [key, des., Que.]

Ichneumon rubicundus Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Ichneumon rubicundus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon blanchardi Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Mt. Lafayette, N.H. (A.N.S.P.)] New synonymy.

Ichneumon rubicundus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon rubicundus Nason, Ent. News, 1905, 16: 148. [Ill.]

Amblyteles rubicundus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 289. [syn.]

Amblyteles rubicundus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles rubicundus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles mucronatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles mucronatus Breakey, Ann. Ent. Soc. Amer., 1931, 24: 43. [host a]

Amblyteles mucronatus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Amblyteles rubicundus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Ichneumon rubicundus Townes, Ent. News, 1939, 49: 219. [biol.]

PHALAEINIDAE: a, *Macronoctua onusta*. DIPRIONIDAE: b, *Neodiprion abietis*.

Melanichneumon saevus (Cresson) new combination

Ichneumon saevus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon saevus Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

Ichneumon saevus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♀. [key, des.]

Melanichneumon saundersii (Cresson) new combination

Ichneumon Saundersii Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂. [key, o.d., Canada (A.N.S.P.)]

Melanichneumon solitus (Cresson) new combination

Ichneumon solitus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♀. [key, o.d., Lake Lahache, B.C. (A.N.S.P.), Colo.]

Ichneumon solitus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 348. [des.]

Ichneumon solitus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J., N.Y.]

Amblyteles solitus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles solitus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Melanichneumon soror (Cresson) new combination

Ichneumon soror Cresson, Proc. Ent. Soc. Phila., 1864, 3: 185. ♀. [o.d., Del. (A.N.S.P.)]

Ichneumon soror Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, des., Canada, Ill., Mass., N.Y.]

Ichneumon soror Provancher, Nat. Canad., 1882, 13: 306, 326; (Faune, p. 766). [key, des., Que.]

Ichneumon bimaculatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 357. ♂. [o.d., Ottawa, Ont. (M.P.Q.)] Preoccupied by Schrank, 1776. New synonymy.

Ichneumon sorror (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]

Ichneumon bimacularis Dalla Torre, Cat. Hymen., 1902, 3: 863. [new name for *Ichneumon bimaculatus* Provancher]

Ichneumon soror Nason, Ent. News, 1905, 16: 148. [Ill.]

Barichneumon soror Roman, Ent. Tidskr., 1910, 31: 149. [Ill., Tex.]

Amblyteles (*Barichneumon*) *soror* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key, Conn.]

Amblyteles soror Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles soror Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles soror Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Melanichneumon subcyaneus (Cresson) new combination

- Ichneumon pullatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 146. ♂. [o.d., Ill. (A.N.S.P.), Del.]
- Ichneumon subcyaneus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 148. ♀. [o.d., N.J. (A.N.S.P.)]
- Ichneumon subcyaneus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [des., Colo.]
- Ichneumon-subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]
- Ichneumon pullatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290, 294. [syn., Eastern, Middle, and Western States]
- Ichneumon subcyaneus* Riley, Ann. Rpt. Insects of Mo., 1871, 3: 69. [syn., host b]
- Ichneumon subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]
- Ichneumon pullatus* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Ichneumon subcyaneus* Provancher, Nat. Canad., 1875, 7: 22, 51. [key, Que.]
- Ichneumon subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♂, ♀. [key, syn., des., Canada, Colo., Del., Ga., Ill., Mass., Mo., N.J., N.Y., Pa., Tex.]
- Ichneumon subcyaneus* Provancher, Nat. Canad., 1878, 10: 267, 270, 293; (Faune, p. 269). [key, des.]
- Ichneumon subcyaneus* Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]
- Ichneumon subcyaneus* Riley and Howard, Insect Life, 1890, 4: 151. [host b e, D.C., Mo., N.J., N.Y., N.C.]
- Ichneumon subcyaneus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon subcyaneus* Howard, Tech. Ser. U.S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., host e, D.C.]
- Ichneumon subcyaneus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon subcyaneus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Amblyteles (Cratichneumon) subcyaneus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, host a, Conn.]
- Amblyteles subcyaneus* Champlain, Psyche, 1922, 29: 99. [host d, Pa.]
- Amblyteles subcyaneus* Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 181. [biol., N.Y.]
- Amblyteles pullatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles subcyaneus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles pullatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [host b, N.Y.]
- Amblyteles subcyaneus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles subcyaneus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles pullatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

Amblyteles pullatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host c, Mass., N.J.]

LYMANTRIIDAE: a, ?*Hemerocampa leucostigma*. ARCTIIDAE: b, *Diacrisia virginica*; c, *Hyphantria cunea*; d, arctiid. TENTHREDINIDAE: e, *Nematus ventralis*.

***Melanichneumon terminalis* (Cresson) new combination**

Ichneumon terminalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 184. ♀. [o.d., Del. (A.N.S.P.)]

Ichneumon finitimus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂ (not ♀). [o.d., Ill. (A.N.S.P.), Conn., Pa.] New synonymy.

Mesostenus apicalis Provancher, Nat. Canad., 1875, 7: 266, 267. ♂. [key, o.d., Que. (type lost)] New synonymy.

Ichneumon terminalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♀. [key, des.]

Ichneumon finitimus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, syn., des., Canada, Ill., N.H., N.Y., Pa.]

Ichneumon finitimus var. *apicalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. [syn.]

Ichneumon finitimus Provancher, Nat. Canad., 1878, 10: 272, 356; (Faune, p. 281). [key, des.]

Phygadeuon brevicaudus Provancher, Addit. Faune Canada, Hymén., 1886, p. 54. ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Ichneumon brevicaudus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Amblyteles (Pterocormus?) terminalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles (Pterocormus?) finitimus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Ichneumon finitimus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Amblyteles finitimus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles finitimus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles finitimus Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]

Amblyteles terminalis Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Ichneumon finitimus Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

***Melanichneumon texanus* (Cresson) new combination**

Ichneumon texanus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♂. [key, o.d., Bosque Co., Tex. (A.N.S.P.)]

***Melanichneumon virginicus* (Cresson) new combination**

Ichneumon virginicus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 181. ♀. [o.d., W.Va. (not Va.) (A.N.S.P.)]

Ichneumon virginicus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [W.Va.]

Ichneumon Virginicus Provancher, Nat. Canad., 1875, 7: 24, 83. [key, Que.]

Ichneumon virginicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des.]

Melanichneumon vultus (Cresson) new combination

Ichneumon vultus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 165. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon vultus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

Ichneumon vultus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂. [key, des.]

Melanichneumon xanthogrammus (Ashmead) new combination

Ichneumon xanthogrammus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 390. ♂. [o.d., Tex. (U.S.N.M.)]

Melanichneumon zebratus (Cresson) new combination

Ichneumon zebratus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon zebratus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [des., Tex.]

Ichneumon zebratus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂, ♀. [key, des., Ga., Ill., Tex.]

Amblyteles zebratus Flanders, Pan-Pacific Ent., 1926, 2: 158. [host a, Calif.]

Amblyteles puerilis Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig.] Misdetermined.

Amblyteles zebratus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

GEOMETRIDAE: a, *Prochoerodes forficaria*.

CRATICHNEUMON Thomson

Cratichneumon Thomson, Opusc. Ent., 1893, 18: 1945.

Genotype: (*Ichneumon luteiventris* Thomson) = *luteiventris* Gravenhorst.

?*Cosmiojoppa* Cameron, Ztschr. Hymen. Dipt., 1902, 2: 395.

Genotype: *Cosmiojoppa violaceipennis* Cameron.

Lareiga Cameron, Ztschr. Hymen. Dipt., 1903, 3: 13.

Genotype: *Lareiga rufofemorata* Cameron.

Belargea Cameron, Ztschr. Hymen. Dipt., 1903, 3: 15.

Genotype: *Belargea albomaculata* Cameron.

Odontojoppa Cameron, Ztschr. Hymen. Dipt., 1903, 3: 16, 177.

Genotype: *Odontojoppa metallica* Cameron.

Sycaonia Cameron, Trans. Ent. Soc. London, 1903, p. 224.

Genotype: *Sycaonia rufofacies* Cameron.

?*Vabsaris* Cameron, Ent., 1903, 36: 96.

Genotype: *Vabsaris forticornis* Cameron.

?*Lynteria* Cameron, Ztschr. Hymen. Dipt., 1904, 4: 220.

Genotype: *Lynteria violaceipennis* Cameron.

?*Lissichneumon* Cameron, Ent., 1906, 39: 227.

Genotype: *Lissichneumon levis* Cameron.

Neocratichneumon Heinrich, Mém. Acad. Malagache, 1938, 25: 94.

Genotype: *Cratichneumon* (*Neocratichneumon*) *frequentior* Heinrich.

Aculichneumon Heinrich, Mém. Acad. Malagache, 1938, 25: 98.

Genotype: *Cratichneumon* (*Aculichneumon*) *longicauda* Heinrich.

Seyrigichneumon Heinrich, Mém. Acad. Malagache, 1938, 25: 99.

Genotype: *Cratichneumon* (*Seyrigichneumon*) *curticauda* Heinrich.

***Cratichneumon acerbus* (Cresson)**

Ichneumon acerbus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♂. [o.d., Ill. (A.N.S.P.), Mass.]

Ichneumon acerbus Provancher, Nat. Canad., 1875, 7: 25. [key, Que.]

Ichneumon corvinus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

Ichneumon acerbus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♂. [key, des., Canada, Ill., Mass., N.H.]

Ichneumon acerbus Provancher, Nat. Canad., 1878, 10: 269, 291; (Faune, p. 267). [key, des.]

Ichneumon corvinus Provancher, Nat. Canad., 1882, 13: 304, 321; (Faune, p. 761). [key, des., Que.]

Cratichneumon acerbus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]

Ichneumon acerbus Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]

Amblyteles acerbus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

Amblyteles corvinus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles acerbus Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]

Amblyteles acerabus (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles corvinus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles acerbus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

Amblyteles corvinus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles acerbus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]

Amblyteles acerbus Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Amblyteles acerabus (!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 395. [Me.]

Amblyteles acerbus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host *a.* Canada]

GEOMETRIDAE: *a.* *Protoboarmia porcelaria*.

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Cratichneumon alternans (Provancher) new combination

Phygadeuon alternans Provancher, Nat. Canad., 1882, 13: 335, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon alternans Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

Ichneumon alternans Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Cratichneumon annulatipes (Provancher) new combination

Phaeogenes annulatipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 43. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Ichneumon annulipes Davis, Canad. Ent., 1895, 27: 287. [syn. (in part)]

Cratichneumon annulatus (Provancher)

Mesostenus annulatus Provancher, Nat. Canad., 1875, 7: 265, 267. ♂. [key, o.d., Que. (M.P.Q.)]

Ichneumon annulatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, des., Canada, Mass.]

Ichneumon annulatus Provancher, Nat. Canad., 1878, 10: 273, 363; (Faune, p. 288). [key, des.]

Ichneumon annulatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.J.]

Cratichneumon annulatus Roman, Ent. Tidskr., 1910, 31: 153. [syn.]

Cratichneumon arizonensis (Viereck) new combination

Ichneumon (Eurylabus) arizonensis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 295. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

Ichneumon (Eurylabus) arizonensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]

Cratichneumon ashmeadi (Schulz) new combination

Ichneumon imitator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 151. ♂. [key, o.d., Alaska (U.S.N.M.).] Preoccupied by Villers, 1789.

Euichneumon imitator Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

Ichneumon Ashmeadi Schulz, Spolia Hymenopterologica, 1906, p. 128. [new name for *Ichneumon imitator* Ashmead]

Cratichneumon burrus (Cresson) * new combination

Ichneumon burrus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 14. ♀. [o.d., Cuba (A.N.S.P.)]

Cratichneumon confusus (Ashmead)

Cratichneumon confusus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 158. ♂. [key, o.d., Alaska (U.S.N.M.)]

Plectrocryptus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 183. ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

* A female in the Townes Collection is from Cortez Beach, Manatee Co., Fla., collected January 4, 1925, by T. H. Hubbell.

Plectocryptus yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 183. ♀. [key, o.d., fig., Alaska (U.S.N.M.).] Not *Cratichneumon yakutatensis* Ashmead p. 157. New synonymy.

Amblyteles yakutatensis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 1. [syn., des.]

***Cratichneumon duplicatus* (Say) new combination**

Ichneumon duplicatus Say, Boston Jour. Nat. Hist., 1836, 1: 230; (Leconte Ed., 2: 688). ♂. [o.d., no locality given (M.C.Z.)]

Amblyteles (*Pterocormus*?) *duplicatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key.] Based on misdetermined *Cratichneumon signatipes*.

***Cratichneumon ericaeus* new name**

Ichneumon pygmaeus Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)] Preoccupied by Poda, 1761.

***Cratichneumon erythromelas* (MacLachlan)**

Ichneumon erythromelas MacLachlan, Jour. Linnean Soc. Zool., 1878, 14: 106. ♀. [o.d., American side of the Kennedy and Robeson Channel, between N.W. Greenland and Grinnel or Grantland, 82° 29' N. and 82° 33' N. (?British Mus.)]

Ichneumon erythromelas Strand, Rpt. Second Norwegian Arctic Exped. in the "Fram" 1898-1902, 1905, no. 3: 6. [des., Greenland]

Cratichneumon? *erythromelas* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 282. [des., Greenland]

***Cratichneumon facetus* (Cresson) new combination**

Ichneumon facetus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♂. [o.d., W.Va. (A.N.S.P.)]

Ichneumon facetus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♂. [key, des., Ill., W.Va.]

Ichneumon facetus Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Mo., Va.]

Amblyteles facetus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

MISCELLANEOUS: *a*, lepidopteran.

***Cratichneumon involutus* (Cresson) new combination**

Ichneumon involutus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 183. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon involutus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

Ichneumon involutus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♀. [key, des.]

***Cratichneumon kincaidi* (Ashmead) new combination**

Ichneumon kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 152. ♂. [key, o.d., Virgin Bay, Alaska (U.S.N.M.)]

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Cratichneumon alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 157. ♂.
[key, o.d., Kodiak, Alaska (U.S.N.M.).] New synonymy.

Euichneumon Kincaidi Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

***Cratichneumon lariae* (Curtis)**

Ichneumon Lariae Curtis, in Ross: Appendix to the Narrative of a Second Voyage in Search of a North-West Passage 1829-33, 1835, p. LXI. (♀).
[o.d., fig., host *a*, (Arctic America) (location of type unknown)]

Ichneumon lariae Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

Cratichneumon lariae Roman, Ent. Tidskr., 1910, 31: 153. [syn.]

LYMANTRIIDAE: *a*, *Byrdia rossii*.

***Cratichneumon magus* (Wesmael)**

Ichneumon magus Wesmael, Bull. Acad. Sci. Belgique, 1855, 22: 389. ♂?, ♀.
[o.d., Sweden (?Stockholm Mus.)]

Ichneumon (Cratichneumon) magus Thomson, Opusc. Ent., 1893, 18: 1954.
[des.]

Cratichneumon magus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 538. [syn.,
des., Europe, Greenland.]

***Cratichneumon paratus* (Say) new combination**

Ichneumon parata Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 68;
(Leconte Ed., 1: 373). (♂). [o.d., Ind. (type destroyed)]

Ichneumon (Ichneumon) paratus Harris, Rpt. Geol. Min. Bot. Zool. Mass.,
Ed. 2, 1835, p. 585. [Mass.]

Ichneumon parata Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167.
[des., fig., host *a*, Mass.]

Ischnus paratus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. [syn.]

Ichneumon annulipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 170. ♀. [o.d.,
Del. (A.N.S.P.).] New synonymy.

Ichneumon pusillus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 171. ♀. [o.d.,
Del. (A.N.S.P.)]

Ichneumon paratus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern,
Middle, and Western States]

Ichneumon paratus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key,
des., Canada, Del., N.Y., Pa., Va.]

Ichneumon annulipes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key,
syn., des., Canada, Del., Mass., N.H., Va.]

Ichneumon paratus Provancher, Nat. Canad., 1878, 10: 271, 355; (Faune, p.
280). [key, des., Que.]

Ichneumon paratus Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [host *a*]

Ichneumon annulipes Provancher, Nat. Canad., 1882, 13: 306, 325; (Faune, p.
765). [key, des., Que.]

Ichneumon paratus Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

Ichneumon annulipes Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.

Ichneumon paratus Slosson, Ent. News, 1898, 8: 253. [N.H.]

- Ichneumon paratus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Ichneumon annulipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [Pa.]
Ichneumon paratus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [Pa.]
Ichneumon paratus Nason, Ent. News, 1905, 16: 148. [Ill.]
Barichneumon paratus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
Ichneumon paratus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
Cratichneumon annulipes Roman, Ent. Tidskr., 1910, 31: 153. [syn.]
Ichneumon annulipes Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Ichneumon paratus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Amblyteles (*Cratichneumon*?) *annulipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]
Amblyteles (*Pterocormus*?) *paratus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]
Amblyteles amulipes (!) Washburn, Ann. Rpt. State Ent. Minn. 1918, 17: 173. [Minn.]
Amblyteles paratus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]
Amblyteles paratus Champlain, Psyche, 1922, 29: 100. [host b, Pa.]
Amblyteles annulipes Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
 In part.
Amblyteles annulipes Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
Amblyteles paratus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles annulipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
Amblyteles annulipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
Amblyteles paratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
Amblyteles annulipes Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]
Amblyteles paratus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
Amblyteles annulipes Brimley, Insects of N.C., 1938, p. 404. [N.C.]
Amblyteles paratus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: a, *Cirphis unipuncta*. MISCELLANEOUS: b, small moth pupa.

***Cratichneumon pectoralis* (Say) new combination**

- Ichneumon pectoralis* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte Ed., 1: 376). (♂). [o.d., Ind. (type destroyed)]
Ichneumon pectoralis Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 688). [des.]
Ichneumon pectoralis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 208. [des.]

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Amblyteles pectoralis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]

Cratichneumon petulcus (Cresson) new combination.

Ichneumon petulcus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, o.d., Santa Barbara, Calif. (A.N.S.P.)]

Ichneumon petulcus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354. ♀. [des., Calif.]

Cratichneumon pilosulus (Provancher) new combination

Ichneumon pilosulus Provancher, Nat. Canad., 1875, 7: 25. ♀. [key, o.d., Que. (M.P.Q.)]

Ichneumon pilosulus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key, des., Canada, Mass.]

Ichneumon pilosulus Provancher, Nat. Canad., 1878, 10: 267, 295; (Faune, p. 271). [key, des.]

Amblyteles pilosulus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles pilosulus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Cratichneumon popofensis Ashmead

Cratichneumon popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 159. ♂, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

Cratichneumon promptus (Cresson) new combination

Ichneumon promptus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 152. ♂, ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), Mass.]

Ichneumon promptus Slosson, Ent. News, 1895, 6: 4. [N.H.]

Ichneumon promptus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Amblyteles promptus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Protoboarmia porcelaria*.

Cratichneumon proximus (Cresson) new combination

Ischnus proximus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 187. ♂. [o.d., Pa. (A.N.S.P.)]

Ichneumon sublatius var. *proximus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn.]

Ichneumon sagus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♀ (♂ mis-determined). [o.d., Ill. (A.N.S.P.), Conn., D.C., Mass., N.Y.] New synonymy.

Ichneumon sagus Provancher, Nat. Canad., 1875, 7: 22, 51. [key, Que.]

Ichneumon sagus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 152. ♂, ♀. [key, des.]

Ichneumon sublatius var. *proximus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des.]

- Ichneumon sublatus* var. *proximus* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 272). [key, des.]
- Ichneumon sagus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Ichneumon sagus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- Ichneumon sagus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Ichneumon sublatus* var. *proximus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon sagus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Amblyteles* (*Stenichneumon*) *sublatus* var. *proximus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles* (*Pterocormus*?) *sagus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles proximus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles sagus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles sagus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles proximus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles proximus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles sagus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon pteridis* new name**

- Phygadeuon proximus* Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (M.P.Q.).] Preoccupied in *Cratichneumon* by Cresson, 1864.
- Phygadeuon proximus* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Ichneumon proximus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Canada, N.H.]
- Ichneumon proximus* Provancher, Nat. Canad., 1878, 10: 269, 365; (Faune, p. 290). [key, des.]
- Amblyteles proximus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

***Cratichneumon quintilis* (Viereck) new combination**

- Ichneumon nanus* Cresson, Trans. Amer. Ent. Soc., 1877, 4: 184. ♀. [key, o.d., N.Y. (A.N.S.P.), Canada, Ill., N.J., N.C., Va.] Preoccupied by Ratzeburg, 1848.
- Ichneumon nanus* Provancher, Nat. Canad., 1882, 13: 306, 326; (Faune, p. 765). [key, des., Que.]
- Ichneumon nanus* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Ichneumon nanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [host a, N.J.]
- Amblyteles* (*Pterocormus*?) *nanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles (Pterocormus) quintilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 354, 357. ♂. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]. New synonymy.

Amblyteles nanodes Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [new name for *Ichneumon nanus* Cresson]

Amblyteles nanus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles nanodes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles nanodes Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Amblyteles nanus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHYCITIDAE: a, *Acrobasis rubrifasciella*.

Cratichneumon rubricus (Provancher) new combination

Phygadeuon rubricus Provancher, Nat. Canad., 1882, 13: 335, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon rubricus Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

Ichneumon rubricus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Cratichneumon russatus (Cresson) new combination

Ichneumon russatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Ichneumon russatus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 353. [des.]

Ichneumon russatus Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

Ichneumon (Barichneumon) citrinifacialis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 297. ♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans.)]. New synonymy.

Amblyteles russatus Brues, Rpt. Canad. Arctic Exped., 1919, vol. III, pt. G, p. 21. [N.W. Terr.]

Cratichneumon scitulus (Cresson) new combination

Ischnus scitulus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 193. ♂. [o.d., Ill. (A.N.S.P.)]

Ichneumon scitulus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 310. [des., Conn., W.Va.]

Ichneumon scitulus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, des., Canada, Conn., Ill., Mass., N.H., N.Y., Va.]

Ichneumon scitulus Provancher, Nat. Canad., 1878, 10: 273, 363; (Faune, p. 289). [key, des.]

?*Cryptus flavipectus* Provancher, Nat. Canad., 1879, 11: 134; (Faune, p. 333). ♂ (not ♀). [key, o.d., Que. (type lost)]

?*Ichneumon scitulus* var. *flavipectus* Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783). [syn.]

Ichneumon scitulus Slosson, Ent. News, 1895, 6: 317. [N.H.]

Ichneumon scitulus Nason, Ent. News, 1905, 16: 148. [Ill.]

Amblyteles (Pterocormus?) scitulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles annulipes Cushman, Jour. Wash. Acad. Sci., 1925, 15: 288. [syn.]
In part.

Amblyteles scitulus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Amblyteles annulipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.] In part.

Amblyteles scitulus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles scitulus Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]

Amblyteles annulipes Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Cratichneumon signatipes* (Cresson) new combination**

Ichneumon duplicatus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 309. [des., Eastern, Middle, and Western States] Misdetermined.

Ichneumon signatipes Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Pa. (A.N.S.P.), Conn.]

Ichneumon duplicatus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♂. [key, des., Canada, Conn., Del., Ga., Mass., N.H., N.Y., Pa., Va.] Misdetermined.

Ichneumon signatipes Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host *b*]

Ichneumon signatipes Westcott, Canad. Ent., 1873, 3: 137. [host *c*, Ill.]

Ichneumon lobatus Provancher, Nat. Canad., 1875, 7: 23, 77. ♂. [key, o.d., Que. (M.P.Q.)]

Ichneumon signatipes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key, des., Canada, Mass., N.H., Pa.]

Ichneumon duplicatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, syn., des.] Misdetermined.

Ichneumon duplicatus Provancher, Nat. Canad., 1878, 10: 273, 362; (Faune, p. 288). [key, des.] Misdetermined.

Ichneumon signatipes Riley, Amer. Ent., 1880, 3: 134. [biol., host *c*]

Ichneumon duplicatus Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.] Misdetermined.

Ichneumon signatipes Riley and Howard, Insect Life, 1890, 3: 151. [host *b*, Mo.]

Ichneumon duplicatus Evans, Canad. Ent., 1896, 28: 10. [Ont.] Misdetermined.

Ichneumon signatipes Slosson, Ent. News, 1897, 8: 237. [N.H.]

Ichneumon signatipes Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon signatipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

Ichneumon duplicatus Nason, Ent. News, 1905, 16: 148. [Ill.] Misdetermined.

Ichneumon? (Stiboscopus?) oryxicornis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 324. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

Stiboscopus oryxicornis Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

- Ichneumon duplicatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.] Misdetermined.
- Ichneumon signatipes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [host *b*, N.J.]
- Amblyteles* (*Barichneumon*?) *duplicatiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 354, 360. ♂. [o.d. in key, Conn. (A.N.S.P.)] New synonymy.
- Amblyteles* (*Pterocormus*?) *signatipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles duplicatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [syn. (in part), Pa.] Misdetermined.
- Amblyteles duplicatus* Champlain, Psyche, 1922, 29: 100. [host *d*, Pa.] Misdetermined.
- Amblyteles duplicatus* Bell, Bull. Brooklyn Ent. Soc., 1923, 18: 23. [host *d*, N.Y.] Misdetermined.
- Amblyteles duplicatus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.] Misdetermined.
- Amblyteles duplicatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.] Misdetermined.
- Amblyteles duplicatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.] Misdetermined.
- Amblyteles duplicatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.] Misdetermined.
- Amblyteles signatipes* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Amblyteles duplicatus* Neiswander, Jour. Econ. Ent., 1941, 34: 388. [host *a*, Ohio] Misdetermined.

GEOMETRIDAE: *a*, *Coryphista meadii*. ARCTIIDAE: *b*, *Diacrisia virginica*; *c*, *Isia isabella*. HESPERIIDAE: *d*, *Proteides clarus*.

***Cratichneumon suadus* (Cresson) new combination**

- Ichneumon suadus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key, o.d., Canada (A.N.S.P.)]
- Ichneumon suadus* Provancher, Nat. Canad., 1882, 13: 308, 322; (Faune, p. 761). [key, des., Que.]
- Ichneumon suadus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]
- Ichneumon suadus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Ichneumon suadus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

***Cratichneumon sublatus* (Cresson) new combination**

- Ischnus sublatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 186. ♂. [o.d., Ill. (A.N.S.P.), Va.]
- Ichneumon sublatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Eastern, Middle, and Western States]
- Ichneumon pravus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key, o.d., Canada (A.N.S.P.), Mass.]

- Ichneumon sublatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des., Canada, Ill., Mass., N.H., Pa., Va.]
- Ichneumon pravus* Provancher, Nat. Canad., 1878, 10: 267, 295; (Faune, p. 271). [key, des., Que.]
- Ichneumon sublatus* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 292). [key, des., Que.]
- Ichneumon pravus* Riley and Howard, Insect Life, 1890, 3: 151. [host *a*, Mo.]
- Ichneumon sublatus* Slosson, Ent. News, 1894, 5: 4. [N.H.]
- Ichneumon pravus* Slosson, Ent. News, 1895, 6: 4. [N.H.]
- Amblyteles sublatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J., N.Y.]
- Ichneumon sublatus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon sublatus* Patch, Bull. Me. Agr. Exp. Sta., 1908, 161: 340. ♂, ♀. [fig., biol., host *b*, Me.]
- Ichneumon sublatus* Patch, Bull. Me. Agr. Exp. Sta., 1908, 162: 365. [biol., host *b*, Me.]
- Ichneumon sublatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]
- Ichneumon sublatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon sublatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]
- Amblyteles* (*Stenichneumon*) *sublatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles sublatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles sublatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn., host *b*, Me., N.H.]
- Amblyteles sublatus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles sublatus* Collins, Jour. Agr. Res., 1926, 32: 693. [host *b*, New England]
- Amblyteles pravus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles sublatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles sublatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles sublatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *b*, Mass., N.H.]
- Amblyteles sublatus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

GEOMETRIDAE: *a*, *Ematurga amitaria*. NOTODONTIDAE: *b*, *Heterocampa guttivitta*.

***Cratichneumon unifasciatus* (Say)**

- Ichneumon unifasciatus* Say, Amer. Ent., 1825, 2: 48; (Leconte Ed., 1: 48). ♂. [o.d., fig., "Middle States" (M.C.Z.)]
- Ichneumon malacus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte Ed., 1: 376). (♀). [o.d., no locality given (type destroyed). New synonymy.]

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- Ichneumon unifasciatorius* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon malacus* Say, Boston Jour. Nat. Hist., 1836, 1: 227; (Leconte Ed., 2: 685). [des.]
- Ichneumon niger* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 302. ♂?, ♀. [o.d., N. Amer. (Paris Mus.)]
- Ichneumon afer* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 138. ♀. [o.d., Ill. (A.N.S.P.)]
- Ichneumon malacus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada, Eastern, Middle, and Western States]
- Ichneumon afer* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Conn., Ill.]
- Ichneumon unifasciatorius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Canada, Eastern, Middle, and Western States]
- Ichneumon unifasciatorius* Riley, Ann. Rpt. Insects of Mo., 1871, 3: 71. [host *j*]
- Ichneumon unifasciatorius* Provancher, Nat. Canad., 1875, 7: 22, 53. ♂, ♀. [key, Que.]
- Ichneumon maurus* Provancher, Nat. Canad., 1875, 7: 25. [key, Que.] Mis-determined.
- Ichneumon maurus* Provancher, Nat. Canad., 1875, 7: 239. [Que.] Mis-determined.
- Ichneumon malacus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, syn., des., Canada, Ill., N.J., N.Y., Pa.]
- Ichneumon scriptifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, o.d., Canada (A.N.S.P.)] New synonymy.
- Ichneumon unifasciatorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♂, ♀. [key, syn., des., Canada, Ga., Ill., Md., Mass., Pa.]
- Ichneumon malacus* Provancher, Nat. Canad., 1878, 10: 267, 290; (Faune, p. 266). [key, des., Que.]
- Ichneumon unifasciatorius* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 272). [key, des.]
- Ichneumon malacus* Osborn, Papilio, 1882, 2: 72. [des., biol., host *a*, Ia.]
- Ichneumon Vancouverensis* Taylor, Canad. Ent., 1884, 16: 91. [host *k*, B.C.] Nomen nudum.
- Ichneumon Vancouveriensis* Provancher, Canad. Ent., 1885, 17: 114. ♂. [o.d., Vancouver Is., B.C. (C.N.C.)] New synonymy.
- Ichneumon Vancouveriensis* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
- Ichneumon aterrimus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 30. ♀. [o.d., Que. (type lost)] New synonymy.
- Ichneumon Vancouveriensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 33. ♂. [des.]
- Ichneumon unifasciatorius* Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]
- Ichneumon malachus* (!) Riley and Howard, Insect Life, 1890, 3: 151. [host *e*, Mo.]
- Ichneumon unifasciatorius* Riley and Howard, Insect Life, 1890, 3: 151. [host *d*, *j*, Ill., Mo., Wis.]

- Ichneumon melacus* (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon unifasciatus* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 43. [host j, Ohio]
- Ichneumon malacus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J., Pa.]
- Ichneumon flavicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [syn.] In part.
- Ichneumon scriptifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Ichneumon malacus* Howard, The Insect Book, 1902, plate 9, fig. 16.
- Ichneumon unifasciatus* Howard, The Insect Book, 1902, plate 10, fig. 10.
- Ichneumon malacus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon unifasciatus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon (Barichneumon) unifasciatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
- Stenichneumon malacus* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Ichneumon unifasciatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Coelichneumon unifasciatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, Canada, Me.]
- Coelichneumon malacus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 131. [key, des., Colo.]
- Ichneumon unifasciatus* Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269. [fig., host b]
- Ichneumon malacus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon unifasciatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles malacus* Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host h]
- Amblyteles (Stenichneumon?) malacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]
- Amblyteles (Cratichneumon) unifasciatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles malacus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles malacus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [syn.]
- Amblyteles unifasciatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167. [syn.]
- Amblyteles malacus* Champlain, Psyche, 1922, 29: 99. [host i, Pa.]
- Amblyteles unifasciatus* Champlain, Psyche, 1922, 29: 99. [host l, Pa.]
- Amblyteles scriptifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles aterrimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles malacus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles unifasciatus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles malacus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

- Amblyteles unifasciatorius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles unifasciatorius* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles malacus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles scriptifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles unifasciatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [host *f*, N.Y.]
- Amblyteles unifasciatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles unifasciatorius* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *b g*, Me., N.H.]
- Amblyteles malacus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Amblyteles unifasciatorius* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Amblyteles unifasciatorius* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host *c*, Canada]

AEGERIIDAE: a, *Podosesia syringae*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Notolophus antiquus*. ARCTIIDAE: d, *Arctia* sp.; e, *Diacrisia virginica*; f, *Halisidota caryae*; g, *Halisidota tessellaris*; h, *Halisidota* sp.; i, arctiid. PHALAENIDAE: j, *Acronicta obliqua*. MISCELLANEOUS: k, "*Bombyx*" sp.; l, lepidopteran.

Cratichneumon vescus (Provancher) new combination

- Ichneumon vescus* Provancher, Nat. Canad., 1877, 9: 9. ♂. [o.d., Que. (M.P.Q.)]
- Ichneumon vescus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Canada, N.H., N.Y.]
- Ichneumon vescus* Provancher, Nat. Canad., 1878, 10: 271, 352; (Faune, p. 278). [key, des.]
- Barichneumon vescus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 79. [N.M.]
- Ichneumon vescus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Amblyteles vescus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles vescus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles vescus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Amblyteles vescus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vescus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Cratichneumon vinnulus (Cresson) new combination

- Ischnus vinnulus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 189. ♂. [o.d., Pa. (A.N.S.P.)]
- Ichneumon vinnulus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Pa., W.Va.]
- Ichneumon vinnulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key, des.]

Ichneumon vinnulus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J.]

Ichneumon vinnulus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]

Amblyteles (*Pterocormus*?) *vinnulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

Amblyteles vinnulus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Amblyteles vinnulus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon volens* (Cresson) new combination**

Ischnus volens Cresson, Proc. Ent. Soc. Phila., 1864, 3: 192. ♂. [o.d., Va. (A.N.S.P.), Ill.]

Ichneumon volens Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada, Eastern, Middle, and Western States]

Ischnus volens Provancher, Nat. Canad., 1875, 7: 110. [key, des., Que.]

Ichneumon volens Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂. [key, des., Canada, Ga., Ill., N.Y., Va.]

Ichneumon volens Provancher, Nat. Canad., 1878, 10: 273, 364; (Faune, p. 289). [key, des.]

Ichneumon volens Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Amblyteles (*Pterocormus*?) *volens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles volens Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Amblyteles volens Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

Amblyteles volens Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon w-album* (Cresson)**

Ischnus w-album Cresson, Proc. Ent. Soc. Phila., 1864, 3: 191. ♂. [o.d., Pa. (A.N.S.P.), Del., N.J.]

Ichneumon w-album Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. [des., Conn., Del., D.C., Md., Mass., N.J., N.Y., Pa.]

Ischnus variegatus Provancher, Nat. Canad., 1875, 7: 250. ♂. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

Ichneumon w-album Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♂, ♀. [key, syn., des., Canada, Mass., N.H.]

Ichneumon w-album Provancher, Nat. Canad., 1878, 10: 268, 273, 362; (Faune, p. 288). [key, des.]

Ichneumon w-album Slosson, Ent. News, 1894, 5: 4. [N.H.]

Ichneumon w-album Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon w-album Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y., Pa.]

Ichneumon w-album Howard, The Insect Book, 1902, plate 10, fig. 6.

Ichneumon w-album Nason, Ent. News, 1905, 16: 148. [Ill.]

- Ichneumon w-album*, Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]
Cratichneumon w-album Roman, Ent. Tidskr., 1910, 31: 153. [syn.]
Coelichneumon w-album Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 133. [des., Canada]
Amblyteles (Cratichneumon?) w-album Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
Amblyteles w-album Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles w-album Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146 [Me.]
Amblyteles w-album Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]
Amblyteles w-album Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Cratichneumon yakutatensis Ashmead

- Cratichneumon yakutatensis* Ashmead, Proc. Wash. Acad. Sci. 1902, 4: 157. ♂. [key, o.d., Alaska (U.S.N.M.)]

AOPLUS Tischbein

- Aoplus* Tischbein, Stettin. Ent. Ztg., 1874, 35: 137.
 Genotype: *Aoplus inermis* Tischbein.
Stenichneumon Thomson, Opusc. Ent., 1893, 18: 1964.
 Genotype: *Ichneumon pistorius* Gravenhorst.
Trachichneumon Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645.
 Genotype: *Ichneumon confirmatus* Cresson.

Aoplus bioculatus (Cresson) new combination

- Ichneumon bioculatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂, ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), Canada]
Amblyteles bioculatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Aoplus cestus (Cresson) new combination

- Ichneumon cestus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]
Ichneumon cestus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 353. [des.]
Ichneumon longulus Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Misdetermined.
Ichneumon cestus Fletcher, Ann. Rpt. Exp. Farms Canada for 1892, 1893, p. 60. [host a, B.C.]
Ichneumon cestus Harrington, Canad. Ent., 1897, 29: 20, 21. [B.C.]
Amblyteles cestus Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host b, Ore.]
Amblyteles cestus Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]
Amblyteles cestus Hopping, Sci. Agr., 1934, 15: 22. [host a, B.C.]

GEOMETRIDAE: a, *Lambdina fiscellaria somniaria*; b, *Lambdina* sp.

Aoplus cincticornis (Cresson) new combination

Ichneumon cincticornis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 139. ♀.
[o.d., Pa. (A.N.S.P.)]

Ichneumon cincticornis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

Ichneumon galenus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 292. ♂. [o.d., W.Va. (A.N.S.P.), Ill.]

Ichneumon galenus Provancher, Nat. Canad., 1875, 7: 25. [key, Que.]

Ichneumon cincticornis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀.
[key, des., Canada, Mass., Ill., N.C., Pa.]

Ichneumon galenus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♂. [key, des., Canada, Ill., Mass., Pa., Va.]

Ichneumon cincticornis Provancher, Nat. Canad., 1878, 10: 267, 290; (Faune, p. 266). [key, des., Que.]

Ichneumon galenus Provancher, Nat. Canad., 1878, 10: 269, 290; (Faune, p. 266). [key, des., Que.]

Ichneumon galenus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Ichneumon galenus Smith, Rpt. N.J. Geologist, 1890, 2: 20. [N.J.]

Ichneumon cincticornis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon cincticornis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon cincticornis Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.
[Kans.]

Ichneumon cincticornis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 565.
[N.Y.]

Ichneumon galenus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[N.J.]

Ichneumon cincticornis Nason, Ent. News, 1905, 16: 147. [Ill.]

Ichneumon galenus Nason, Ent. News, 1905, 16: 147. [Ill.]

Ichneumon cincticornis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633.
[N.J.]

Ichneumon galenus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

Stenichneumon cincticornis Roman, Ent. Tidskr., 1910, 31: 192. [des.]

Ichneumon cincticornis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Ichneumon cincticornis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222.
[Alta., Ont., Sask.]

Ichneumon galenus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Amblyteles (*Cratichneumon*?) *galenus* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 356. [key, Conn.]

Amblyteles (*Stenichneumon*?) *cincticornis* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 355. [key]

Amblyteles cincticornis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]

Ichneumon galenus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Amblyteles cincticornis Champlain, Psyche, 1922, 29: 99. [host b, Pa.]

- Amblyteles cincticornis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
Amblyteles galenus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles cincticornis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
 [Me.]
Amblyteles galenus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
 [Me.]
Amblyteles cincticornis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
Amblyteles cincticornis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101.
 [Alta.]
Amblyteles cincticornis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]
Amblyteles cincticornis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *a*, Mass., N.J.]
Amblyteles cincticornis Brimley, Insects of N.C., 1938, p. 404. [N.C.]
Ichneumon cincticornis Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAENIDAE: *a*, *Autographa brassicae*. MISCELLANEOUS: *b*, moth pupa on *Brassica oleracea*.

Aoplus confirmatus (Cresson)

- Ichneumon confirmatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀.
 [key, o.d., N.Y. (A.N.S.P.), Canada, Mass.]
Phygadeuon jocosus (as *Phygadeuon potens* in key) Provancher, Addit. Faune Canada, Hymén., 1886, p. 47, 53. ♀. [key, o.d., Ont. (C.N.C.)] New synonymy.
Ichneumon confirmatus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
Ichneumon jocosus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]
Ichneumon poteus (!) Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]
Phygadeuon jocosus Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Exephanes confirmatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
 [N.Y.]
Trachichneumon confirmatus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645.
 [syn.]
Amblyteles (*Trachichneumon*) *confirmatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
Trachichneumon confirmatus Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
Amblyteles confirmatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
 [Me.]
Amblyteles confirmatus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
Trachichneumon confirmatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
Aoplus confirmatus Heinrich, Konowia, 1930, 9: 124. [syn.]
Ichneumon confirmatus Townes, Ent. News, 1938, 49: 219. [biol.]

Aoplus leucopsis (Ashmead) new combination

Ichneumon leucopsis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 391. ♂. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

TORTRICIDAE: *a*, tortricid pupa on *Quercus* sp.

Aoplus mathewi (Cameron) new combination

Ichneumon mathewi Cameron, Entomologist, 1907, 40: 277. ♂. [o.d., Vancouver Is., B.C. (British Mus.)]

Stenichneumon mathewi Heinrich, Ann. Mag. Nat. Hist., 1937, (10), 20: 268. [syn.]

Aoplus ochropis (Gmelin)

Ichneumon ochropis Gmelin, in Linnaeus: System. Nat., Ed. 13, 1790, p. 2679. [o.d., Europe (location of type unknown).]

Melanichneumon seldoviae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. ♂. [o.d., Seldovia, Alaska (U.S.N.M.)] New synonymy.

Aoplus ochropis Heinrich, Konowia, 1930, 9: 124. [syn., Jugoslavia.]

Aoplus opacitas (Davis) new combination

Platylabus opacitas Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♂. [o.d., Moscow, Ida. (A.N.S.P.)]

Platylabus opacitas Bradley, Canad. Ent., 1903, p. 283. [key]

Aoplus pallidipennis (Viereck) new combination

Cratichneumon pedalis var. *pallidipennis* Viereck, Ent. News, 1902, 13: 87. ♂, ♀. [o.d., Colo. (A.N.S.P.), Nev.]

Aoplus rubicundus (Bradley) new combination

Cratichneumon rubicundus Bradley, Ztschr. Hymen. Dipt., 1904, 4: 106. ♀. [o.d., Corvallis, Ore. (Cornell Univ.)]

Aoplus salvus (Cresson) new combination

Ichneumon salvus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♂. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Ichneumon salvus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. [des.]

Aoplus sitkensis (Ashmead) new combination

Ichneumon sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 152. ♂. [key, o.d., Sitka, Alaska (U.S.N.M.)]

Ichneumon simulator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. ♂. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)] New synonymy.

Euichneumon sitkensis Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

Euichneumon simulator Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

Aoplus vagans (Provancher) new combination

Ichneumon vagans Provancher, Nat. Canad., 1875, 7: 22, 51. ♂. [key, o.d., Que. (M.P.Q.)]

Ichneumon vagans Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, des.]

Ichneumon vagans Provancher, Nat. Canad., 1878, 10: 269, 295; (Faune, p. 271). [key, des.]

Aoplus velox (Cresson) new combination

Ichneumon velox Cresson, Proc. Ent. Soc. Phila., 1864, 3: 185. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon velox Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Conn., Ill., Pa.]

Ichneumon puerilis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., Canada (A.N.S.P.)]

Ichneumon mellicoxus Provancher, Nat. Canad., 1875, 7: 21, 48. ♂. [key, o.d., Que. (M.P.Q.)]

Ichneumon velox Provancher, Nat. Canad., 1875, 7: 24, 81. [key, Que.]

Phygadeuon apicatus Provancher, Nat. Canad., 1875, 7: 180, 183. ♀. [key, o.d., Que. (type lost)]

Phygadeuon cressoni Provancher, Nat. Canad., 1876, 8: 318. ♀. [o.d., Que. (M.P.Q.)]

Ichneumon puerilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂. [key, syn., des., Canada, Mass.]

Ichneumon velox Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, syn., des., Canada, Ill., N.J., Pa.]

Ichneumon puerilis Provancher, Nat. Canad., 1878, 10: 270, 298; (Faune, p. 274). [key, des.]

Ichneumon velox Provancher, Nat. Canad., 1878, 10: 268, 361; (Faune, p. 287). [key, des.]

Ichneumon puerilis Riley and Howard, Insect Life, 1890, 3: 151. [host c, D.C.]

Ichneumon occidentalis Harrington, Canad. Ent., 1894, 26: 210. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Amblyteles (Pterocormus?) velox Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles mellicoxus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles velox Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig., host a, Mich.]

Amblyteles puerilis Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [host a, Mich.] Not fig. 4.

Amblyteles mellicoxus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles mellicoxus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles velox Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Amblyteles velox Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 1. ♂, ♀. [syn., host *a*, Ont.]

Amblyteles velox Tessier, Nat. Canad., 1930, 57: 64. [host *a*, Que.]

Amblyteles velox Schedl, Ztschr. Angew. Ent., 1931, 8: 270-273. [des., fig., biol., host *a*]

Amblyteles velox Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *a*, Ont.]

Amblyteles velox Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]

Ichneumon velox Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

Amblyteles puerilis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 11. [host *b*, Canada]

Amblyteles velox Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 12. [host *a*, Canada]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*; *b*, *Nepytia canosaria*. MISCELLANEOUS: *c*, ?phalaenid.

PATROCLUS Cresson

Patroclus Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 104.

Genotype: *Patroclus nigrocaeruleus* Cresson.

Patroclus montanus (Cresson) new combination

Ichneumon montanus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♂, ♀. [Colo. (A.N.S.P.)]

Ichneumon montanus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. [des., Colo.]

Ichneumon montanus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Colo., W.Va.]

Amblyteles montanus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♂, ♀. [key, des., Calif., Canada, Colo., Hudson Bay Territory, Mass., Va.]

Amblyteles montanus Provancher, Nat. Canad., 1882, 13: 327; (Faune, p. 766). [des., Que.]

Pseudamblyteles montanus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 79. [N.M.]

Amblyteles montanus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

Amblyteles montanus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

Amblyteles montanus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles montanus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles montanus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Amblyteles montanus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

Patroclus perluctuosus (Provancher) new combination

Amblyteles perluctuosus Provancher, Nat. Canad., 1877, 9: 10. ♀ (not ♂). [o.d., Que. (M.P.Q.)]

MEM. AMER. ENT. SOC., 11 pt. 1.

- Amblyteles perluctuosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♀. [key, des., B.C., Canada, N.H.]
- Amblyteles perluctuosus* Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 295). [key, des.]
- Limerodes perluctuosus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. [syn.]
- Amblyteles perluctuosus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- Amblyteles perluctuosus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles perluctuosus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

ANISOPYGUS Kriechbaumer *

- Anisopygus* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1888, 3: 36.
Genotype: *Amblyteles pseudonymus* Wesmael.

EXEPHANES Wesmael

- Exephanes* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 13, 17.
Genotype: *Ichneumon hilaris* Gravenhorst.
- Ocatomus* Tischbein, Stett. Ent. Ztg., 1881, 42: 186.
Genotype: (*Ocatomus tricolor* Tischbein) = *femoralis* Brischke.

Exephanes subfulvus (Cresson) new combination

- Ichneumon subfulvus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. ♀. [o.d., Colo. (A.N.S.P.)]
- Ichneumon subfulvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, des.]
- Amblyteles subfulvus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Exephanes terminalis (Provancher) new combination

- Phygadeuon terminalis* Provancher, Nat. Canad., 1874, 6: 284. ♀. [key, o.d., Que. (M.P.Q.)]
- Ichneumon caudatus* Provancher, Nat. Canad., 1875, 7: 24, 82. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Phygadeuon terminalis* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Ichneumon caudatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, syn., des., Canada, Mass.]
- Ichneumon caudatus* Provancher, Nat. Canad., 1878, 10: 268, 358; (Faune, p. 283). [key, des.]
- Phygadeuon Geddessii* Provancher, Addit. Faune Canada, Hymén., 1886, p. 54. ♀. [key, o.d., Ont. (M.P.Q.)] New synonymy.

* Undescribed Nearctic species of this genus are in the Townes Collection.

- Amblyteles Cookii* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 392. ♀. [o.d., Lansing, Mich. (U.S.N.M.)] New synonymy.
Amblyteles caudatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

ECTOPIMORPHA Viereck

- Ectopimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 589.
 Genotype: (*Amblyteles anceps* Cresson) = *wilsoni* Cresson.

Ectopimorpha hiulcus (Cresson) new combination

- Amblyteles hiulcus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. ♀. [key, o.d., Lake Lahache, B.C. (A.N.S.P.)]
Amblyteles hiulcus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 355. [des.]
Amblyteles hiulcus Nason, Ent. News, 1905, 16: 149. [Ill.]

Ectopimorpha indemnis (Cresson) new combination

- Ichneumon indemnis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀ (not ♂). [key, o.d., B.C. (A.N.S.P.)]
Ichneumon indemnis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. ♀. [des.]

Ectopimorpha luperinae Cushman

- Ectopimorpha luperinae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.] Nomen nudum.
Ectopimorpha sp. Decker, Res. Bull. Agr. Exp. Sta., Ia. State Col., 1930, 125: 159. [fig., biol., host *a*, Ia.]
Ectopimorpha luperinae Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 1. ♂, ♀. [o.d., host *a*, Ames, Ia. (U.S.N.M.)]
Ectopimorpha luperinae Decker, Ia. State Col. Jour. Sci., 1935, 9: 571. [biol., host *a*, Ia.]
 PHALAEINIDAE: *a*, *Luperina stipata*.

Ectopimorpha scibilis (Cresson) new combination

- Ichneumon scibilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♂. [key, o.d., Ill. (A.N.S.P.)]
Ichneumon scibilis Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

Ectopimorpha wilsoni (Cresson) new combination

- Ischnus wilsoni* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 188. ♂. [o.d., W.Va. (not Va.) (A.N.S.P.)]
Ichneumon Wilsoni Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Del., N.J., W.Va.]
Ichneumon anceps Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♀ (and ♂?). [o.d., Del. (A.N.S.P.), Conn.] New synonymy.

- Ichneumon wilsoni* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des., Del., N.J., "Va."]
Amblyteles anceps Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. [key, des.]
Ichneumon wilsonii (!) Riley and Howard, Insect Life, 1890, 3: 151. [host *a*]
Ichneumon wilsoni Gillette, Insect Life, 1891, 3: 259. [host *b*, Ia.]
Ichneumon wilsoni Slosson, Ent. News, 1895, 6: 317. [N.H.]
Ichneumon wilsoni Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. [key, Alaska]
Ichneumon wilsoni Howard, The Insect Book, 1902, plate 10, fig. 1.
Ichneumon wilsoni Nason, Ent. News, 1905, 16: 148. [Ill.]
Amblyteles anceps Nason, Ent. News, 1905, 16: 149. [Ill.]
Ectopimorpha anceps Viereck, Proc. U. S. Nat. Mus., 1912, 43: 589. [syn.]
Ichneumon wilsoni Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Amblyteles (Pterocormus?) wilsoni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
Amblyteles (Ectopimorpha) anceps Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
Amblyteles anceps Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 97. [N.Y.]
Ectopimorpha anceps Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
Amblyteles wilsoni Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]
 PHALAEINIDAE: *a*, *Acronicta* sp.; *b*, cutworm.

CHASMIAS Ashmead

- Chasmodes* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 13, 15.
 Preoccupied by Cuvier and Valenciennes, 1836.
 Genotype: (*Ichneumon notatorius* (!) Gravenhorst) = *notatorius* Fabricius.
Chasmias Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 17. [new name for *Chasmodes* Wesmael]

Chasmias saucius (Cresson)

- Ichneumon saucius* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 137. ♀. [o.d., Pa. (A.N.S.P.)]
Ichneumon saucius Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Ill., Pa.]
Ichneumon saucius Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. [des.]
Ichneumon saucius Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., N.C., Pa.]
Ichneumon saucius Provancher, Nat. Canad., 1878, 10: 267, 289; (Faune, p. 265). [key, des., Que.]
Chasmodes sauceus (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.Y.]
Ichneumon saucius Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]
Amblyteles (Chasmias) saucius Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]

Amblyteles saucius Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Chasmias scelestus (Cresson) new combination

Ichneumon scelestus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 148. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon scelestus Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

Ichneumon scelestus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀. [key, des.]

Amblyteles scelestus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles scelestus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [host b, N.Y.]

Amblyteles scelestus Balduf, Ohio Jour. Sci., 1929, 29: 226. [biol., host a, Ohio]

Amblyteles scelestus Silver, Tech. Bull. U. S. Dept. Agr., 1933, 345: 16. [host a, Ohio]

Ichneumon scelestus Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAENIDAE: a, *Achatodes zeae*; b, *Papaipema impecuniosa*.

Chasmias torvinus (Cresson) new combination

Ichneumon torvinus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 292. ♂. [o.d., Ill. (A.N.S.P.)]

Ichneumon torvinus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, des.]

Ichneumon torvinus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Coelichneumon maurus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [syn.]

In part.

PSEUDAMBLYTELES Ashmead

Pseudamblyteles Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 18.

Genotype: *Amblyteles palliatorius* Gravenhorst.

Physcoteles Berthoumieu, Genera Insectorum, 1904, 18: 51.

Genotype: *Amblyteles palliatorius* Gravenhorst.

Pseudamblyteles allapsus (Cresson) new combination

Ichneumon allapsus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon allapsus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

Pseudamblyteles animosus var. **animosus** (Cresson) new combination

Ichneumon animosus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 164. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon animosus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

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Ichneumon animosus Cresson, Trans. Amer. Ent. Soc., 1877, 4: 176. ♂. [key, des., Colo., N.M.]

Amblyteles animosus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Ichneumon animosus Peck, Canad. Jour. Res., 1937, D, 15: 246; 250. [fig. ♂ genitalia]

***Pseudamblyteles animosus* var. *rubellus* (Cresson) new combination**

Ichneumon rubellus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 254. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon animosus var. *rubellus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

Ichneumon animosus var. *rubellus* Cresson, Trans. Amer. Ent. Soc., 1877, 4: 176. ♂. [key, des.]

Ichneumon animosus var. *rubellus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Amblyteles animosus var. *rubellus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles mimosus (!) var. *inbellus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [Colo., N.Y.]

***Pseudamblyteles apicalis* (Cresson) new combination**

Ichneumon apicalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 152. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon apicalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

Ichneumon apicalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key, des.]

***Pseudamblyteles belfragei* (Cresson) new combination**

Ichneumon Belfragei Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Ichneumon Belfragei Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, des.]

***Pseudamblyteles bizonatus* (Cresson) new combination**

Ichneumon bizonatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 160. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon bizonatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [Colo.]

Ichneumon bizonatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, des.]

***Pseudamblyteles citrinus* (Provancher) new combination**

Ichneumon citrinus Provancher, Addit. Faune Canada Hymén., 1886, p. 31. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

Hepiopelmus citrinus Davis, Canad. Ent., 1895, 27: 287. [syn.]

Amblyteles citrinus Dalla Torre, Cat. Hymen., 1902, 3: 806. [syn.]

Pseudamblyteles cockerelli (Viereck) new combination

Cratichneumon cockerelli Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. ♂.
[o.d., Beulah, N.M. (A.N.S.P.)]

Cratichneumon skinneri Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. ♂.
[o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Ichneumon (*Cratichneumon*?) *skinneri* Viereck, Trans. Kans. Acad. Sci., 1905,
19: 292. [Colo.]

Pseudamblyteles comes (Cresson) new combination

Ichneumon comes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 158. ♂. [o.d., Ill.
(A.N.S.P.), Del.]

Ichneumon comes Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. [des., Canada,
Del., Ill., Mass., W.Va.]

Ichneumon comes Provancher, Nat. Canad., 1875, 7: 23, 74. [key, Que.]

Ichneumon comes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. [key, des.,
Canada, Ill., Me., Mass., N.H., N.Y., Pa., Va.]

Ichneumon comes Provancher, Nat. Canad., 1878, 10: 271, 350; (Faune, p. 276).
[key, des.]

Ichneumon comes Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon comes Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

Ichneumon comes Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon comes Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon comes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[N.J.]

Ichneumon comes Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1901, 27: 59.
[host b, Md.]

Ichneumon comes Nason, Ent. News, 1905, 16: 148. [Ill.]

Ichneumon comes Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

Ichneumon comes Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Ichneumon comes Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Amblyteles (*Cratichneumon*?) *comes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 356. [key, fig., Conn.]

Amblyteles comes Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]

Amblyteles comes Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants,
1926, 18: 95. [host a, Que.]

Amblyteles comes Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]

Amblyteles comes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles comes Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles comes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922.
[N.Y.]

Amblyteles comes var. Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,
no. 2: 97. [Mass.]

Amblyteles comes Brimley, Insects of N.C., 1938, p. 404. [N.C.]

COLEOPHORIDAE: a, *Coleophora pruniella*. PHALAENIDAE: b, *Amathes c-nigrum*.

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Pseudamblyteles comptus (Say) new combination

Ichneumon comptus Say, Boston Jour. Nat. Hist., 1836, 1: 229; (Leconte, Ed. 2: 686). ♂, ♀. [o.d., United States (M.C.Z.)]

Ichneumon atrifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 157. ♀. [o.d., Ill. (A.N.S.P.)] New synonymy.

Ichneumon comptus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western states]

Ichneumon atrifrons Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290, 298. [des., Eastern, Middle, and Western states]

Ichneumon comptus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]

Ichneumon comptus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♂. [key, des., Del., Md., Pa., Tex.]

Ichneumon atrifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♀. [key, des., Ill., Pa.]

Ichneumon comptus Provancher, Nat. Canad., 1878, 10: 353; (Faune, p. 279). ♂. [des., Que.]

Amblyteles marginatus Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 767). ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Ichneumon comptus Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]

Ichneumon atrifrons Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon comptus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon comptus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J., N.Y., Pa.]

Amblyteles atrifrons Roman, Ent. Tidskr., 1910, 31: 145. [syn.]

Ichneumon comptus Roman, Ent. Tidskr., 1910, 31: 170. [des., Wis.]

Amblyteles (Pterocormus?) comptus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

Amblyteles (Amblyteles) atrifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

Amblyteles comptus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]

Amblyteles atrifrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles comptus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles comptus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Amblyteles atrifrons Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Amblyteles comptus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Pseudamblyteles dakota (Cresson) new combination

Ichneumon dakota Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂. [o.d., Dakota Territory (A.N.S.P.)]

Ichneumon dakota Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des.]

Pseudamblyteles delicatus (Cresson) new combination

Ichneumon delicatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 253. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon delicatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

Pseudamblyteles dictiosus (Cresson) new combination

Ichneumon dictiosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, o.d., Kans. (A.N.S.P.)]

Pseudamblyteles discus (Cresson) new combination

Ichneumon discus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 168. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon discus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. ♂. [Colo.]

Ichneumon discus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

Amblyteles (Cratichneumon) discus Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

Amblyteles discus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Pseudamblyteles flebilis (Cresson) new combination

Ichneumon flebilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, o.d., Canada (A.N.S.P.)]

Pseudamblyteles fulvopictus (Ashmead) new combination

Ichneumon fulvopictus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 391. ♂. [o.d., Mo. (U.S.N.M.)]

Pseudamblyteles grotei (Cresson) new combination

Ichneumon grotei Cresson, Proc. Ent. Soc. Phila., 1864, 3: 154. ♂. [o.d., Colo. (A.N.S.P.), Ill.]

Ichneumon grotei Cresson, Proc. Ent. Soc. Phila., 1865, 4: 254. [Colo.]

Ichneumon grotei Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

Ichneumon Grotei Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon Grotei Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon grotei Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Ichneumon grotei Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Amblyteles grotei Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles grotei Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Ichneumon grotei Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

Amblyteles grotei Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Pseudamblyteles hudsonicus (Cresson) new combination

Amblyteles hudsonicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.
[key, o.d., Hudson Bay Territory (A.N.S.P.)]

Amblyteles hudsonicus Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

Amblyteles hudsonicus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 296. [Ariz.]

Pseudamblyteles humphreyi (Viereck) new combination

Ichneumon (*Barichneumon*) *humphreyi* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 296. ♂. [o.d., Humphrey's Peak, Ariz., at base, 9500 ft. (Univ. Kans.)]

Pseudamblyteles koebelei (Swezey) new combination

Ichneumon koebelei Swezey, Rpt. of Work Exp. Sta. Hawaiian Sugar Planters Ass., 1909, Ent. Bull., 7: 30. ♂, ♀. [o.d., fig., host *a b*, Hawaii, introduced from U. S. (U.S.N.M.)]

Amblyteles koebelei Swezey, Proc. Haw. Ent. Soc., 1923, 5: 303. [host *a*, Calif.]

PHALAENIDAE: *a*, *Cirphis unipuncta*; *b*, cutworm.

Pseudamblyteles lewisii (Cresson) new combination

Ichneumon Lewisii Cresson, Proc. Ent. Soc. Phila., 1864, 3: 177. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon Lewisii Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 307. [des., Eastern, Middle, and Western states]

Ichneumon Lewisii Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, des., Ga., Ill., N.Y., Va.]

Ichneumon lewisii Riley and Howard, Insect Life, 1890, 3: 151. [host *a*, Mo.]

Ichneumon lewisii Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Amblyteles lewisi Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

Ichneumon lewisii Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

Ichneumon lewisii Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Ont.]

Amblyteles (*Pterocormus*?) *lewisi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key, Conn.]

Amblyteles lewissi (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

Amblyteles lewisi Brimley, Insects of N.C., 1938, p. 404. [N.C.]

ARCTIIDAE: *a*, *Arctia* sp.

Pseudamblyteles macilentus (Cresson) new combination

Ichneumon macilentus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon macilentus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♂. [key, des.]

Pseudamblyteles milvus (Cresson) new combination

Ichneumon (*Ichneumon*) *milvus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. Nomen nudum

Ichneumon milvus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 305. ♂. [o.d., Mass. (A.N.S.P.), Conn., R.I.]

Ichneumon Clopini Provancher, Nat. Canad., 1875, 7: 250. ♂. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

Ichneumon milvus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, syn., des., Canada, Mass., N.H.]

Ichneumon milvus Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 281). [key, des.]

Ichneumon milvus Slosson, Ent. News, 1895, 6: 4. [N.H.]

Ichneumon milvus Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [Ont.]

Ichneumon milvus Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

Amblyteles (*Pterocormus*?) *milvus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles milvus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles milvus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles milvus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles milvus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Pseudamblyteles mormonus (Cresson) new combination

Amblyteles mormonus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, o.d., Great Salt Lake, Ut. (A.N.S.P.)]

Amblyteles mormonus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 355. [des.]

Ichneumon adjunctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 29. ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Amblyteles similis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.] In part.

Cratichneumon pedalis var. *varitarsis* Viereck, Ent. News, 1902, 13: 87. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Pseudamblyteles munificus (Cresson) new combination

Ichneumon nobilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 155. ♂. [o.d., Ill. (A.N.S.P.)] Preoccupied by Wesmael, 1857.

Ichneumon munificus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Eastern, Middle, and Western states. [new name for *Ichneumon nobilis* Cresson]

Ichneumon nobilis Provancher, Nat. Canad., 1875, 7: 23, 74. [key, syn., Que.]

Ichneumon munificus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [key, des., Ill., N.Y.]

Ichneumon munificus Provancher, Nat. Canad., 1882, 13: 309, 323; (Faune, p. 762). [key, des.]

Ichneumon munificus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Amblyteles (Pterocormus?) munificus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles munificus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles munificus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles munificus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Pseudamblyteles nuncius* (Cresson) new combination**

Ichneumon nuncius Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, o.d., Calif. (A.N.S.P.)]

Ichneumon nuncius Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

Ichneumon nuncius Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon nuncius Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

Ichneumon nuncius Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

Amblyteles nuncius Gibson, Canad. Ent., 1917, 49: 403. [host b, B.C.]

Amblyteles nuncius Snow, Jour. Econ. Ent., 1925, 18: 607. [biol., host a, Ut.]

Amblyteles nuncius Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles nuncius Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles nuncius Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

PHALAEINIDAE: a, *Chorizagrotis auxiliaris*; b, *Euxoa excellens*.

***Pseudamblyteles ontariensis* (Provancher) new combination**

Ichneumon Ontariensis Provancher, Addit. Faune Canada, Hymén., 1886, p. 30.

♂ (not ♀). [o.d., Toronto, Ont. (M.P.Q.)]

***Pseudamblyteles robustus* (Cresson) new combination**

Ichneumon robustus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♀. [o.d., Canada (A.N.S.P.)]

Ichneumon robustus Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]

Amblyteles robustus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀. [key, des.]

Amblyteles robustus Provancher, Nat. Canad., 1879, 11: 9; (Faune, p. 298). [key, des.]

Amblyteles robustus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

***Pseudamblyteles saguenayensis* (Provancher) new combination**

Ichneumon Saguenayensis Provancher, Addit. Faune Canada, Hymén., 1888, p. 356. ♂. [o.d., Chicoutimi, Que. (Séminaire de Chicoutimi)]

Pseudamblyteles semissus (Cresson) new combination

Ichneumon semissus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, o.d., Mohave Desert, Calif. (A.N.S.P.)]

Ichneumon semissus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354. [des.]

Pseudamblyteles sequax (Cresson) new combination

Ichneumon sequax Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Ichneumon sequax Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

Pseudamblyteles subfuscus (Cresson) new combination

Ichneumon subfuscus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 173. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon subfuscus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

Amblyteles subfuscus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key, des., Calif., Colo., Nev.]

Amblyteles subfuscus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Amblyteles subfuscus Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

Amblyteles subfuscus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

Amblyteles subfuscus Gibson, Canad. Ent., 1917, 49: 403. [host b, B.C.]

Amblyteles subfuscus Criddle, Ann. Rpt. Ent. Soc. Ont., 1921, 51: 87. [Alta.]

Amblyteles subfuscus Strickland, Bull. Canad. Dept. Agr., 1923, (n.s.), 26: 12-15. [fig., biol., host a c, Alta.]

Amblyteles subfuscus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles subfuscus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

PHALAEINIDAE: a, *Chorizagrotis auxiliaris*; b, *Euxoa excellens*; c, *Euxoa ochrogaster*.

Pseudamblyteles succinctus (Brullé) new combination

Ichneumon succinctus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 301. ♂. [o.d., N. Amer. (Paris Mus.)]

Ichneumon sandix Cresson, Proc. Ent. Soc. Phila., 1864, 3: 174. ♀. [o.d., N.Y. (A.N.S.P.)] New synonymy

Ichneumon succinctus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Eastern, Middle, and Western states]

Ichneumon succinctus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂. [key, des., Canada, Ill., La., Md., N.Y., Pa.]

Ichneumon lewisii var. *sandix* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. [syn.]

Ichneumon succinctus Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]

Ichneumon succinctus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Amblyteles succinctus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J.]

Ichneumon succinctus Nason, Ent. News, 1905, 16: 148. [Ill.]

Amblyteles (*Cratichneumon*?) *succinctus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

Amblyteles succinctus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles lewisii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.] Misdetermined.

Amblyteles lewisii var. *sandix* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles succinctus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Amblyteles succinctus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Amblyteles succinctus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Pseudamblyteles suturalis* (Say) new combination**

Ichneumon (*Ichneumon*) *suturalis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Ichneumon suturalis Say, Boston Jour. Nat. Hist., 1836, 1: 226; (Leconte, Ed. 2: 685). ♀. [o.d., Ind., Mexico, Mo., Pa. (type destroyed)]

Ichneumon suturalis Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 166. [des., fig., host *a*, Mass.]

Ichneumon propinquus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 172. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon propinquus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

Ichneumon suturalis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Canada, Eastern, Middle, and Western states]

Ichneumon suturalis var. *propinquus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

Ichneumon suturalis Provancher, Nat. Canad., 1875, 7: 24, 81. [key, des., Que.]

Ichneumon suturalis Cresson, Rpt. Wheeler Expl. (Eng. Dept., U. S. Army), 1875, Zool., 5: 708. [Colo., N.M.]

Amblyteles suturalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key, syn., des., Canada, Colo., Dakota, Del., Ill., Mass., N.J., N.M., N.Y., Pa., Ut., Va.]

Amblyteles suturalis Provancher, Nat. Canad., 1879, 11: 13; (Faune, p. 301). [key, des.]

Ichneumon suturalis Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [host *a*]

Ichneumon suturalis Thomas, Rpt. on the Noxious and Beneficial Insects of Ill., 1881, 10: 41. [biol., host *a*, Ill.]

Amblyteles suturalis Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Amblyteles suturalis Smith, Rpt. N.J. Geologist, 1890, 2: 22. [N.J.]

Amblyteles suturalis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Amblyteles suturalis Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.

Amblyteles suturalis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

- Amblyteles suturalis* Harrington, Canad. Ent., 1897, 29: 43. [des., B.C.]
Amblyteles suturalis Slosson, Ent. News, 1902, 13: 5. [N.H.]
Amblyteles suturalis Nason, Ent. News, 1905, 16: 149. [Ill.]
Amblyteles suturalis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Amblyteles suturalis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Alta.]
Amblyteles suturalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360.
[key, syn., (in part) Conn.]
Amblyteles suturalis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]
Amblyteles suturalis Brues, Rpt. Canad. Arc. Exp., 1919, vol. 3, pt. G, p. 218.
[N.W. Terr.]
Amblyteles suturalis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167.
[syn.]
Amblyteles propinquus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23:
167. [syn.]
Amblyteles suturalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.
[Me.]
Amblyteles suturalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
926. [N.Y.]
Amblyteles suturalis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Amblyteles suturalis var. *propinquus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928,
58: 102. [Alta.]
Amblyteles suturalis Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 40. [host b]
Amblyteles suturalis Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]
Amblyteles suturalis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Alta.]
PHALAENIDAE: a, *Cirphis unipuncta*; b, *Feltia ducens*.

***Pseudamblyteles taylorii* (Harrington) new combination**

Ichneumon Taylorii Harrington, Canad. Ent., 1894, 26: 209. ♂. [o.d., Victoria, B.C. (C.N.C.)]

***Pseudamblyteles variegatus* (Cresson) new combination**

- Ichneumon variegatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 153. ♂. [o.d., Colo. (A.N.S.P.)]
Ichneumon variegatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 251. [des., Colo.]
Ichneumon variegatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des., B.C., Calif., Colo., N.M.]
Ichneumon varietus (!) Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
Ichneumon variegatus Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
Amblyteles variegatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Ichneumon variegatus Peck, Canad. Jour. Res., 1937, D, 15: 246, 249, 251.
[fig. ♂ genitalia]

***Pseudamblyteles ventralis* (Cresson) new combination**

Ichneumon ventralis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon ventralis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key, des.]

Amblyteles ventralis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

Ichneumon ventralis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

AMBLYTELES Wesmael

Amblyteles Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 112.

Genotype: (*Amblyteles fasciatorius* Wesmael) = *armatorius* Fabricius.

Amblyteles aleatorius (Cresson)

Ichneumon (*Ichneumon*) *aleatorius* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Ichneumon comes var. *aleatorius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. ♂. [o.d. (Canada) (A.N.S.P.)]

Ichneumon comes var. *aleatorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [des.]

Amblyteles (*Cratichneumon*?) *comes* var. *aleatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]

Amblyteles comes var. *aleatorius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles balteatus Hopper

Amblyteles balteatus Hopper, Trans. Amer. Ent. Soc., 1938, 64: 97. ♂. [o.d., Medomak, Me. (A.N.S.P.)]

Amblyteles belangeri Cresson

Amblyteles Belangeri Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, o.d., Canada (A.N.S.P.)]

Amblyteles Belangeri Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 297). [key, des.]

Cryptus dubius Provancher, Addit. Faune Canada Hymén., 1886, p. 71. ♀ (not ♂). [key, o.d., Ont. (C.N.C.)] New synonymy.

Amblyteles belangeri Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

Amblyteles bronteus (Cresson)

Ichneumon bronteus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 144. ♂. [o.d., Pa. (A.N.S.P.)]

Ichneumon bronteus Provancher, Nat. Canad., 1875, 7: 270. [Que.]

Ichneumon bronteus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key, des., Canada, Ga., Pa., Va.]

Ichneumon bronteus Provancher, Nat. Canad., 1878, 10: 270, 297; (Faune, p. 273). [key, des.]

Ichneumon bronteus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

Ichneumon bronteus Nason, Ent. News, 1905, 16: 147. [Ill.]

Amblyteles (Pterocormus?) bronteus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles bronteus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles bronteus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Amblyteles bronteus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Amblyteles consignatus* (Cresson)**

Ichneumon consignatus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♂. [o.d., W.Va. (A.N.S.P.)]

Ichneumon consignatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key, des., Mass., W.Va.]

Ichneumon consignatus Nason, Ent. News, 1905, 16: 147. [Ill.]

Amblyteles consignatus Balduf, Ohio Jour. Sci., 1929, 29: 226. [biol., host *a*, Ohio]

PHALAENIDAE: *a*, *Achatodes zeae*.

***Amblyteles crudosus* (Cresson)**

Ichneumon crudosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂. [key, o.d., Calif. (A.N.S.P.)]

Ichneumon crudosus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

***Amblyteles fraternus* Cresson**

Amblyteles fraternus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♂. [key, o.d., Mass. (A.N.S.P.), Va.]

Amblyteles fraternus Gibson, Ann. Rpt. Ent. Soc. Ont., 1913, 43: 134. [Que.]

Amblyteles fraternus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

***Amblyteles improvisus* (Cresson)**

Ichneumon improvisus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., N.J. (A.N.S.P.)]

Ichneumon improvisus Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

Amblyteles tetricus Provancher, Nat. Canad., 1877, 9: 10. ♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Amblyteles tetricus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♀. [key, des.]

Amblyteles improvisus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂. [key, des., Canada, N.J.]

Amblyteles improvisus Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 295). [key, des.]

Amblyteles tetricus Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 294). [key, des.]

MEM. AMER. ENT. SOC., 11 pt. 1.

Probolus tetricus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

Amblyteles tetricus Nason, Ent. News, 1905, 16: 149. [Ill.]

Amblyteles tetricus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

Amblyteles improvisus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles improvisus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles improvisus Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]

Amblyteles tetricus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Amblyteles inconstans* (Cresson)**

Ichneumon inconstans Cresson, Proc. Ent. Soc. Phila., 1864, 3: 153. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon inconstans Cresson, Proc. Ent. Soc. Phila., 1865, 4: 252. [Colo.]

Ichneumon inconstans Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♂. [key, des.]

Ichneumon inconstans Provancher, Nat. Canad., 1882, 13: 309, 323; (Faune, p. 763). [key, des., Que.]

Ichneumon inconstans Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Amblyteles inconstans Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles inconstans Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles inconstans Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles inconstans Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Amblyteles juxtus* (Cresson)**

Ichneumon juxtus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 163. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon juxtus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

Ichneumon nubivagus var. *juxta* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

Amblyteles nubivagus var. *juxta* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. [des.]

***Amblyteles kodiakensis* (Ashmead) new combination**

Cratichneumon kodiakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 157. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]

***Amblyteles nubivagus* (Cresson)**

Ichneumon consimilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 163. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1844.

- Ichneumon consimilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. [Colo.]
Ichneumon nubivagus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Colo., Me., Pa., new name for *Ichneumon consimilis* Cresson]
Ichneumon aequalis Provancher, Nat. Canad., 1875, 7: 23, 76. ♂. [key, o.d., Que. (M.P.Q.)]
Amblyteles nubivagus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♂. [key, syn., des., Canada, Colo., Me., Mass., Pa., Va.]
Amblyteles nubivagus Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 301). [key, des.]
Amblyteles nubivagus Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, D.C., Wis.]
Amblyteles nubivagus Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Amblyteles nubivagus Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
Amblyteles nubivagus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]
Amblyteles nubivagus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]
Ichneumon (Probolus) nubivagus Viereck, Proc. Ent. Soc. Wash., 1911, 13: 97. [syn.]
Amblyteles nubivagus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
Amblyteles nubivagus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
Amblyteles nubivagus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
 PHALAEINIDAE: *a*, *Cucullia intermedia*.

Amblyteles ormenus (Cresson)

- Ichneumon Ormenus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♀. [o.d., Pa. (A.N.S.P.)]
Ichneumon tenebrosus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 145. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1844. New synonymy.
Ichneumon luctus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo., new name for *Ichneumon tenebrosus* Cresson]
Ichneumon mellipes Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., Canada (A.N.S.P.), Me.]
Ichneumon Quebecensis Provancher, Nat. Canad., 1875, 7: 24, 77. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.
Ichneumon tenebrosus Provancher, Nat. Canad., 1875, 7: 21, 48. [key, Que.]
Ichneumon Ormenus Provancher, Nat. Canad., 1875, 7: 26. ♂. [key, des., Que.]
Ichneumon Ormenus Provancher, Nat. Canad., 1875, 7: 239. [Que.]
Ichneumon Quebecensis Provancher, Nat. Canad., 1875, 7: 239. [Que.]
Amblyteles Ormenus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, des., Canada, Colo., Mass., Pa.]
Amblyteles luctus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♂. [key, syn., des., Canada, Colo., N.H.]

- Amblyteles quebecensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, des., Colo.]
- Amblyteles luctus* Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 297). [key, des., Que.]
- Amblyteles Ormenus* Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 296). [key, des.]
- Amblyteles Quebecensis* Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 299). [key, des.]
- Amblyteles ormenus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Amblyteles ormenus* Slosson, Ent. News 1900, 11: 319. [N.H.]
- Amblyteles luctus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [host a, N.J.]
- Pseudamblyteles neomexicanus* Ashmead, Psyche, 1901, 9: 147. ♂. [o.d., Las Vegas Range between Pecos and Sapello rivers at 11000 ft., N.M. (U.S.N.M.)] New synonymy.
- Amblyteles quebecensis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles quebecensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [B.C.]
- Amblyteles (Stenichneumon?) ormenus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles mellipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles quebecensis* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles luctus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles ormenus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles mellipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles ormenus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles luctus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles quebecensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles ormenus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles luctus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles quebecensis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: a, phalaenid larva.

***Amblyteles perannulatus* Hopper**

- Amblyteles perannulatus* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 98. ♀. [o.d., Fairmount Park, Philadelphia, Pa. (A.N.S.P.)]

***Amblyteles provancheri* (Cushman)**

- Ichneumon bifasciatus* Provancher, Nat. Canad., 1875, 7: 23, 75. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Fourcroy, 1785 and by Say, 1829.

Amblyteles bifasciatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀.
[key, des.]

Amblyteles bifasciatus Provancher, Nat. Canad., 1879, 11: 9; (Faune, p. 297).
[key, des.]

Amblyteles provancheri Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [new
name for *Ichneumon bifasciatus* Provancher]

Amblyteles provancheri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
925. [N.Y.]

***Amblyteles rufizonatus* (Cresson)**

Ichneumon rufizonatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 183. ♀.
[o.d., N.J. (A.N.S.P.)]

Ichneumon rufizonatus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Conn.,
N.J.]

Ichneumon Marianopolitanensis Provancher, Nat. Canad., 1875, 7: 24, 81. ♀.
[key, o.d., Que. (M.P.Q.)]

Amblyteles rufizonatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀.
[key, syn., des.]

Amblyteles rufizonatus Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 298).
[key, des.]

Ichneumon rufozonatus (!) Slosson, Ent. News, 1898, 9: 253. [N.H.]

Probolus rufozonatus (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl:
567. [N.Y.]

Amblyteles rufizonatus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Amblyteles (*Probolus*?) *rufizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 360. [key]

Amblyteles rufizonatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
925. [N.Y.]

Amblyteles rufizonatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,
no. 2: 98. [Mass.]

***Amblyteles subrufus* (Cresson)**

Ichneumon subrufus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 168. ♀. [o.d.,
Va. (A.N.S.P.)]

Ichneumon subrufus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada,
Eastern, Middle, and Western states]

Ichneumon subrufus Provancher, Nat. Canad., 1875, 7: 81. ♀. [key, des.,
Que.]

Amblyteles subrufus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key,
des., Canada, Ill., Me., Mass., N.Y., Va.]

Amblyteles subrufus Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 301).
[key, des.]

Ichneumon segnax (!) Taylor, Canad. Ent., 1884, 16: 91. [host *d*, B.C.] Mis-
determined.

- Amblyteles subrufus* Riley and Howard, Insect Life, 1890, 3: 152. [host *c*, Calif., Mich.]
- Amblyteles subrufus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Amblyteles subrufus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Amblyteles subrufus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]
- Amblyteles subrufus* Gillette, Bull. Colo. Agr. Exp. Sta., 1904, 94: 8. [host *b*, Colo.]
- Amblyteles subrufus* Johnson, Bull. Colo. Agr. Exp. Sta., 1905, 98: 21. [host *b*, Colo.]
- Amblyteles subrufus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles subrufus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]
- Amblyteles subrufus* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host *a*, Que.]
- Amblyteles subrufus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles subrufus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles subrufus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

COLEOPHORIDAE: *a*, *Coleophora pruniella*. PHALAENIDAE: *b*, *Chorizagrotis auxiliaris*.
 HESPERIIDAE: *c*, hesperiid. LYCAENIDAE: *d*, "*Lycaena*" sp.

***Amblyteles superbus* Provancher**

- Amblyteles superbus* Provancher, Addit. Faune Canada Hymén., 1886, p. 35.
 ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
- Amblyteles suturalis* Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.
- Amblyteles superbus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167.
 [syn.]
- Amblyteles superbus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

***Amblyteles torontosus* Davis**

- Amblyteles torontosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♀. [o.d., Toronto, Ont. (A.N.S.P.)]

SPILICHNEUMON Thomson

- Spilichneumon* Thomson, Opusc. Ent., 1894, 19: 2087.
 Genotype: (*Amblyteles occisorius* Gravenhorst) = *occisor* Fabricius.
- Spiloteles* Berthoumieu, Genera Insectorum, 1904, 18: 54.
 Genotype: *Amblyteles occisor* Fabricius.

***Spilichneumon pomilus* (Provancher) new combination**

- Ichneumon pomilus* Provancher, Nat. Canad., 1877, 9: 9. ♂. [o.d., Que. (M.P.Q.)]
- Ichneumon pomilus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, des., B.C., Canada, Mass.]

Ichneumon pomilus Provancher, Nat. Canad., 1878, 10: 271, 352; (Faune, p. 278). [key, des.]

Amblyteles borealis Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 767).

♀. [o.d., Chicoutimi, Que. (M.P.Q.)] New synonymy.

Amblyteles pomilus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Spilichneumon taos (Cresson) new combination

Amblyteles Taos Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀. [key, o.d., N.M. (A.N.S.P.)]

CTENICHNEUMON Thomson

Ctenichneumon Thomson, Opusc. Ent., 1894, 19: 2082.

Genotype: (*Amblyteles funereus* Gravenhorst) = *funereus* Fourcroy.

Dochyteles Berthoumieu, Genera Insectorum, 1904, 18: 50.

Genotype: *Ichneumon funereus* Fourcroy.

Ctenichneumon electus (Cresson) new combination

Ichneumon electus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♂. [o.d., Conn. (A.N.S.P.)]

Ichneumon nitidus Provancher, Nat. Canad., 1875, 7: 24, 79. ♂. [key, o.d., Que. (M.P.Q.)]

Amblyteles electus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, syn., des., Canada, Conn.]

Amblyteles electus Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 299). [key, des.]

Amblyteles (*Amblyteles*) *electus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

Amblyteles electus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles electus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Ctenichneumon excultus (Cresson) new combination

Ichneumon excultus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♀. [o.d., N.J. (A.N.S.P.)]

Ichneumon excultus Provancher, Nat. Canad., 1875, 7: 26. [key, Que.]

Amblyteles excultus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♀. [key, des., Canada, Mass. N.H., N.J.]

Amblyteles excultus Provancher, Nat. Canad., 1879, 11: 5; (Faune, p. 294). [key, des.]

Amblyteles excultus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Ctenichneumon ruidosensis (Cockerell) new combination

Ichneumon ruidosensis Cockerell, Ann. Mag. Nat. Hist., 1898, (7), 2: 456. (♂). [o.d., side of cañon north of Ruidoso, N.M., about 6800 ft. (U.S.N.M.)]

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Ctenichneumon semicaeruleus (Cresson) new combination

Ichneumon semicaeruleus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♀.
[o.d., W.Va. (A.N.S.P.)]

Amblyteles semicaeruleus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.
[key, des., Canada, N.H., W.Va.]

Amblyteles semicaeruleus Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 300). [key, des.]

Amblyteles semicaeruleus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15.
[Ia.]

Amblyteles semicaeruleus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles semicaeruleus Denton, Bull. Brooklyn Ent. Soc., 1931, 26: 3. [biol., N.C.]

Amblyteles semicaeruleus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Ctenichneumon stadaconensis (Provancher) new combination

Ichneumon Stadaconensis Provancher, Nat. Canad., 1875, 7: 22, 50. ♂. [key, o.d., Que. (M.P.Q.)]

Amblyteles stadaconensis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂.
[key, des., Canada, Mass., N.H.]

Amblyteles Stadaconensis Provancher, Nat. Canad., 1879, 11: 7; (Faune, p. 296).
[key, des.]

Amblyteles stadaconensis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Amblyteles stadaconensis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223.
[Ont.]

Amblyteles (Amblyteles) stadaconensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key, Conn.]

Amblyteles stadaconensis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385.
[Kans.]

Amblyteles stadaconensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.
[Me.]

Amblyteles stadaconensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles stadaconensis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles stadaconensis Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Ctenichneumon syphax (Cresson) new combination

?*Ichneumon detritus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 302. ♀.
[o.d., Carolina (Paris Mus.)]

Ichneumon syphax Cresson, Proc. Ent. Soc. Phila., 1864, 3: 181. ♀. [o.d., Del. (A.N.S.P.)]

Ichneumon detritus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Eastern and Middle States]

- Amblyteles detritus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀. [key, syn., des., Canada, Del., Me., Mass., N.J., N.Y., Pa.]
- Amblyteles detritus* Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 299). [key, des.]
- Amblyteles (Amblyteles) detritus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles detritus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles detritus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles detritus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Ctenichneumon ultus (Cresson) new combination

- Ichneumon ultus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., W.Va. (A.N.S.P.), Conn.]
- Ichneumon rogalis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., W.Va. (A.N.S.P.), Conn., N.Y.] New synonymy.
- Ichneumon ultus* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Ichneumon rogalis* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Amblyteles ultus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂. [key, des., Canada, Conn., N.Y., W.Va.]
- Amblyteles ultus* var. *rogalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. [syn.]
- Amblyteles ultus* Provancher, Nat. Canad., 1879, 11: 7; (Faune, p. 296). [key, syn., des.]
- Amblyteles (Amblyteles) ultus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles (Amblyteles) ultus* var. *rogalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles ultus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

TRICHO LABUS Thomson

- Tricholabus* Thomson, Opusc. Ent., 1894, 19: 2103, 2113.
Genotype: *Tricholabus femoralis* Thomson.

Tricholabus adventicius (Hopper) new combination

- Ichneumon adventicius* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 101. ♂. [o.d., Swarthmore, Pa. (A.N.S.P.)]
- Amblyteles* near *albomarginatus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Ichneumon adventicius* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Tricholabus citatus (Provancher) new combination

- Ichneumon citatus* Provancher, Nat. Canad., 1875, 9: 8. ♂. [o.d., Que. (M.P.Q.)]

- Ichneumon citatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, des. Canada, N.H.]
- Ichneumon merus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Va. (A.N.S.P.), Mass.] New synonymy.
- Ichneumon citatus* Provancher, Nat. Canad., 1878, 10: 269, 293; (Faune, p. 269). [key, des.]
- Ichneumon merus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon merus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Amblyteles* (*Pterocormus*?) *merus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
- Amblyteles citatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles merus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Ichneumon apicator* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 100. ♂. [o.d., Medomak, Me. (A.N.S.P.)] New synonymy.

***Tricholabus nortonii* (Cresson) new combination**

- Ichneumon Nortonii* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♀. [o.d., Conn. (A.N.S.P.)]
- Amblyteles Nortoni* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀. [key, des.]
- Amblyteles Nortoni* Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 768). [des., Que.]
- Amblyteles nortoni* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Amblyteles* (*Amblyteles*) *nortoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles nortoni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

***Tricholabus pax* (Dalla Torre) new combination**

- Ichneumon pacificus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♂. [o.d., Seattle, Wash. (A.N.S.P.)] Preoccupied by Cameron, 1886.
- Ichneumon pax* Dalla Torre, Cat. Hymen., 1902, 3: 964. [new name for *Ichneumon pacificus* Davis]

***Tricholabus tricolor* (Davis) new combination**

- Amblyteles tricolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♂, ♀. [o.d., S.D. (A.N.S.P.)]

PTEROCORMUS Foerster

Ichneumon of authors, not of the genotype.

Brachypterus Gravenhorst, Ichneum. Europeae, 1829, 1: 673. Preoccupied by Kugelann, 1794.

Genotype: (*Brachypterus means* Gravenhorst) = *latrator* Gravenhorst.

Pterocormus Foerster, Wiegmann's Arch. Naturg., 1850, 16: 71.

Genotype: (*Brachypterus means* Gravenhorst) = *latrator* Gravenhorst.

Euichneumon Berthoumieu, Genera Insectorum, 1904, 18: 33.

Genotype: *Ichneumon sarcitorius* Linnaeus, By present designation.

***Pterocormus adonis* (Viereck) new combination**

Cratichneumon adonis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. (♂).

[o.d., Beulah, N.M. (A.N.S.P.)]

***Pterocormus alpestriformis* (Viereck)**

Amblyteles (Pterocormus) alpestriformis Viereck, N. Amer. Fauna 1923 no. 46:

234. ♀. [o.d., Telegraph Hill, St. Paul Is., Alaska (U.S.N.M.)]

***Pterocormus approximans* (Provancher) new combination**

Ichneumon approximans Provancher, Addit. Faune Canada, Hymén., 1886, p.

32. ♂. [o.d., Toronto, Ont. (M.P.Q.)]

***Pterocormus artemis* (Viereck) new combination**

Cratichneumon artemis Viereck, Ent. News, 1902, 13: 87. ♀. [o.d., Colo.

(A.N.S.P.)]

***Pterocormus atrox* (Cresson) new combination**

Ichneumon atrox Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key,

o.d., Canada (A.N.S.P.)]

Ichneumon atrox Harrington, Canad. Ent., 1897, 29: 20. [B.C.]

Amblyteles atrox Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles atrox Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles atrox Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922.

[N.Y.]

***Pterocormus audax* (Cresson) new combination**

Ichneumon audax Cresson, Proc. Ent. Soc. Phila., 1864, 3: 143. ♂. [o.d.,

Colo. (A.N.S.P.)]

Ichneumon audax Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

Ichneumon audax Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key,

des.]

***Pterocormus aurivillii* (Roman) new combination**

Ichneumon Lariae Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse

af Grønland, 1857, p. 59. [des., Greenland] Misdetermined.

Ichneumon Lariae Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31.

♀. [des., fig.] Misdetermined.

Ichneumon Lariae Lundbeck, Vidensk. Medd. Nat. For. København, (1896),

1897, p. 222. [des., Greenland] Misdetermined.

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- Ichneumon Lariae* Vanhöffen, Drygalski-Exped., 1897, 2: 156. Misdetermined.*
Ichneumon Lariae Nielsen, Meddel. om Grønland, 1907, 29: 384. [Greenland]
 Misdetermined.
Cratichneumon Aurivillii Roman, Arkiv för Zoologi, 1916, 10, no. 22: 5. ♀.
 [o.d., Godthaab, Greenland (?Stockholm Mus.)]
Ichneumon (Cratichneumon) Aurivillii Hendriksen and Lundbeck, Meddel. om
 Grønland, 1918, 22: 520. [syn., Greenland]
Cratichneumon aurivillii Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 282. [des.,
 Greenland]
Ichneumon Aurivillii Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6.
 ♂. [des., Greenland]

***Pterocormus bimembris* (Provancher) new combination**

- Ichneumon bimembris* Provancher, Nat. Canad., 1877, 9: 8. ♀. [o.d., Que.
 (M.P.Q.)]
Ichneumon bimembris Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♀. [key,
 des.]
Ichneumon bimembris Provancher, Nat. Canad., 1878, 10: 267, 293; (Faune, p.
 269). [key, des.]
Ichneumon bimembris Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
Ichneumon bimembris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 565. [N.Y.]
Ichneumon bimembris Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Sask.]
Amblyteles bimembris Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
Amblyteles bimembris Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
 [Me.]
Amblyteles bimembris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 922. [N.Y.]
Amblyteles bimembris Brimley, Inserts of N.C., 1938, p. 404, [N.C.]

***Pterocormus bipunctatus* (Cresson) new combination**

- Ichneumon bipunctatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 253. ♂.
 [o.d., Colo. (A.N.S.P.)]
Ichneumon festus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. ♂. [o.d.,
 Colo. (A.N.S.P.)] New synonymy.
Ichneumon bipunctatus var. *festus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291.
 [syn.]
Ichneumon bipunctatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂.
 [key, des.]
Ichneumon bipunctatus var. *festus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161.
 ♂. [key, des.]

* This reference not seen.

Pterocormus brevipennis (Cresson)

Ichneumon brevipennis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 174. ♀.
[o.d., Colo. (A.N.S.P.)]

Ichneumon brevipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

Ichneumon brevipennis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀.
[key, syn., des., Canada, Colo., Pa.]

Ichneumon brevipennis Provancher, Addit. Faune Canad. Hymén., 1888, p. 428.
[des., Que.]

Ichneumon brevipennis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon brevipennis Evans, Canad. Ent., 1896, 28: 9. [Ont.]

Exephanes brevipennis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
[N.Y.]

Ichneumon brevipennis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. [key,
Alaska]

Amblyteles (*Pterocormus*?) *brevipennis* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 359. [key]

Amblyteles brevipennis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Amblyteles brevipennis Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *a*,
Tex.]

Amblyteles brevipennis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
922. [N.Y.]

Amblyteles brevipennis Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAENIDAE: *a*, *Cirphis unipuncta*.

Pterocormus burkei (Viereck) new combination

Ichneumon (*Cratichneumon*) *burkei* Viereck, Proc. U. S. Nat. Mus., 1910, 38:
383. ♂. [o.d., host *a*, Wis. (U.S.N.M.)]

LYMANTRIIDAE: *a*, "liparid" on *Pinus* sp.

Pterocormus caliginosus (Cresson)

Ichneumon caliginosus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 144. ♀. [o.d.,
Colo. (A.N.S.P.)]

Ichneumon caliginosus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

Ichneumon caliginosus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Colo.,
Conn., W. Va.]

Ichneumon caliginosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀.
[key, des., Colo., Ill.]

Ichneumon caliginosus Provancher, Nat. Canad., 1882, 3: 304, 321; (Faune, p.
760). [key, des., Que.]

Ichneumon caliginosus Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1876. [key, des., host *a*]

Ichneumon caliginosus Slosson, Ent. News, 1896, 7: 264. [N.H.]

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- Ichneumon caliginosus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]
- Ichneumon caliginosus* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host *c*, B.C., Ont.]
- Ichneumon caliginosus* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]
- Amblyteles* (*Pterocormus*?) *caliginosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles caliginosus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Amblyteles caliginosus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles caliginosus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *b d*, Mass., N.J., N.Y., R.I.]
- NYMPHALIDAE: *a*, *Basilarchia archippus*; *b*, *Polygonia interrogationis*; *c*, *Polygonia satyrus*; *d*, *Vanessa atalanta*.

***Pterocormus calitergus* (Cresson) new combination**

- ?*Ichneumon calitergus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 586. [Mass.] Nomen nudum.
- Ichneumon calitergus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♀. [o.d., Me. (A.N.S.P.)]
- Ichneumon calitergus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♀. [key, des.]
- Ichneumon calitergus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Ont.]

***Pterocormus canadensis* (Cresson) new combination**

- Ichneumon canadensis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Canada (A.N.S.P.), N.Y.]
- Ichneumon canadensis* Provancher, Nat. Canad., 1875, 7: 24, 80. [key, des., Que.]
- Ichneumon canadensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des.]
- Ichneumon canadensis* Provancher, Nat. Canad., 1878, 10: 361; (Faune, p. 287). ♀. [des.]
- Ichneumon canadensis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon canadensis* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon canadensis* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 76, 86. [fig., host *a*, Ont.]
- Ichneumon laetus* Knight, Jour. Econ. Ent., 1915, 8: 515. [syn.] In part.
- Ichneumon canadensis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C., Newfoundland]

- Ichneumon canadensis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]
- Amblyteles canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
[Me.]
- Amblyteles ctenuchae* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 3. ♀. [o.d.,
host *b*, Detroit, Me. (U.S.N.M.)] New synonymy.
- Ichneumon (Amblyteles) ctenuchae* Neave, Rev. Appl. Ent., 1934, (A), 21: 226.
[syn.]
- Amblyteles ctenuchae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 139. [biol., host *b*]
- Ichneumon canadensis* Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAEINIDAE: *a*, *Cirphis unipuncta*. CTENUCHIDAE: *b*, *Ctenucha virginica*.

Pterocormus centrator (Say) new combination

- Ichneumon centrator* Say, Amer. Ent., 1825, 2: 49; (Leconte Ed., 1: 49). ♀.
[o.d., fig., Mo., Northwest Territory, Pa. (type destroyed)]
- Ichneumon centrator* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]
- Ichneumon flavicornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 140. ♂.
[o.d., N.Y. (A.N.S.P.)]
- Ichneumon flavicornis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada,
Eastern, Middle, and Western states]
- Ichneumon centrator* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290 [Eastern,
Middle, and Western states]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1875, 7: 26. [key, Que.]
- Ichneumon fortis* Provancher, Nat. Canad., 1875, 7: 24, 79. ♀. [key, o.d.,
Que. (M.P.Q.)]
- Ichneumon centrator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♀. [key,
syn., des., Canada, N.C., Pa.]
- Ichneumon flavicornis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂.
[key, des., Canada, N.Y., Pa.]
- Ichneumon centrator* Provancher, Nat. Canad., 1878, 10: 267, 291; (Faune, p.
267). [key, des.]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1878, 10: 269, 291; (Faune, p.
267). [key, des., Que.]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1886, 15: 244. [Que.]
- Ichneumon centrator* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]
- Ichneumon flavicornis* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]
- Ichneumon centrator* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon centrator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[host *a*, N.Y.]
- Ichneumon flavicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[syn.] In part.
- Ichneumon curtator* (!) Howard, The Insect Book, 1902, plate 9, fig. 14.

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- Ichneumon flavicornis* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon (Stenichneumon) centrator* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
- Stenichneumon centrator* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Stenichneumon flavicornis* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Ichneumon centrator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon flavicornis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon flavicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon flavicornis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]
- Amblyteles (Stenichneumon?) flavicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles (Stenichneumon?) centrator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles centrator* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]
- Amblyteles centrator* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
- Amblyteles flavicornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles centrator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles centrator* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles flavicornis* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles centrator* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *a*, Me., Mass.]
- Amblyteles centrator* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Ichneumon centrator* Townes, Ent. News, 1938, 49: 219. [biol.]

ARCTIIDAE: *a*, *Isia isabella*.

***Pterocormus cervulus* (Provancher)**

- Ichneumon cervulus* Provancher, Nat. Canad., 1875, 7: 24, 83. ♂. [key, o.d., Que. (M.P.Q.)]
- Ichneumon cervulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1878, 10: 272, 356; (Faune, p. 282). [key, des.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1887, 16: 24, 34, 46. [Que.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1889, 19: 248. [Que.]
- Ichneumon cervulus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. [key, Alaska]
- Ichneumon cervulus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]
- Ichneumon (Pterocormus) cervulus* Viereck, N. Amer. Fauna, 1923, no. 46: 235. [syn.]

Amblyteles cervulus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
[Me.]

Amblyteles cerulus (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
[Me.]

Pterocormus cinctitarsis (Provancher) new combination

Ichneumon varipes Provancher, Nat. Canad., 1875, 7: 22, 50. ♂. [key, o.d.,
Que. (M.P.Q.)] Preoccupied by Gravenhorst, 1829.

Ichneumon cinctitarsis Provancher, Nat. Canad., 1877, 9: 7. [new name for
Ichneumon varipes Provancher]

Ichneumon cinctitarsis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂.
[key, des.]

Ichneumon cinctitarsis Provancher, Nat. Canad., 1878, 10: 270, 297; (Faune,
p. 273). [key, des.]

Ichneumon cinctitarsis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636, N.J.

Ichneumon cinctitarsis Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19:
45. [biol., host a]

Amblyteles (*Stenichneumon*?) *cinctitarsis* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 355. [key]

Amblyteles cinctitarsis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
[Me.]

Amblyteles cinctitarsis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
922. [N.Y.]

Amblyteles cinctitarsis Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Amblyteles cinctitarsis Brimley, Insects of N.C., 1938, p. 404. [N.C.]

ARCTIIDAE: a, *Hyphantria cunea*.

Pterocormus citrifrons (Cresson)

Ichneumon citrifrons Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♂. [o.d.,
Pa. (A.N.S.P.), Conn.]

Ichneumon citrifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key,
des.]

Ichneumon citrifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[N.J.]

Amblyteles (*Pterocormus*?) *citrifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 358. [key]

Pterocormus clarimontis (Cameron) new combination

Ichneumon clarimontis Cameron, Trans. Amer. Ent. Soc., 1908, 34: 241. ♂.
[o.d., Claremont, Calif. (British Mus.)]

Ichneumon? *clarimontis* Heinrich, Ann. Mag. Nat. Hist., 1927, (10), 20: 266.
[syn.]

Pterocormus commodus (Davis) new combination

Eurylabus commodus Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂. [o.d.,
Wash. (A.N.S.P.)]

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Pterocormus compar (Cresson) new combination

Ichneumon compar Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Ichneumon compar Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

Cratichneumon compar Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. [N.M.]

Pterocormus contractus (Ashmead) new combination

Amblyteles contractus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Alaska (U.S.N.M.)]

Pterocormus creperus (Cresson) new combination

Ichneumon creperus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♂. [o.d. Canada (A.N.S.P.), Ill., W.Va.]

Ichneumon creperus Provancher, Nat. Canad., 1875, 7: 23, 53. [key, Que.]

Ichneumon creperus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

Ichneumon creperus Provancher, Nat. Canad., 1878, 10: 271, 354; (Faune, p. 280). [key, des.]

Ichneumon creperus Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

Ichneumon creperus Harrington, Canad. Ent., 1897, 29: 20. [B.C.]

Ichneumon creperus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Amblyteles (*Pterocormus*) *footei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 353, 357. ♂. [o.d., in key, Stafford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Amblyteles creperus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles creperus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles creperus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles creperus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]

Amblyteles creperus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

Pterocormus cupitus (Cresson) new combination

Ichneumon cupitus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂. [key, o.d., Calif. (A.N.S.P.)]

Ichneumon cupitus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 350. [des.]

Ichneumon cupitus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon cupitus (!) Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1901, 29: 62. [host a, Ore.]

Amblyteles cupitus Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 40. [syn.]

PHALAEINIDAE: a, *Peridroma margaritosa*.

Pterocormus curticus (Provancher) new combination

Phygadeuon curticus Provancher, Addit. Faune Canada, Hymén., 1888, p. 360.

♀. [o.d., Chicoutimi, Que. (M.P.Q.)]

Amblyteles curticus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

Pterocormus devinctor (Say)

Ichneumon devinctor Say, Amer. Ent., 1825, 2: 48; (Leconte Ed., 1: 48). ♀.
[o.d., fig., Northwest Territory (type destroyed)]

Ichneumon devinctor Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]

Ichneumon devinctor Say, Boston Jour. Nat. Hist., 1836, 1: 230; (Leconte Ed., 2: 687). [des., Ind.]

Ichneumon tibialis Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 300. ♀. [o.d., Philadelphia, Pa. (Paris Mus.)]

Ichneumon montivagus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon devinctor Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Eastern, Middle, and Western States]

Ichneumon divinator (!) Provancher, Nat. Canad., 1875, 7: 23, 75. [key, Que.]

Ichneumon devinctor Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂, ♀.
[key, syn., des., Canada, Colo., Del., Ga., Ill., Md., Pa.]

Ichneumon devinctor Provancher, Nat. Canad., 1878, 10: 268, 272, 360; (Faune, p. 286). [key, des.]

Ichneumon devinctor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
[N.Y.]

Ichneumon divinator (!) Howard, The Insect Book, 1902, plate 10, fig. 12.

Ichneumon devinctor Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

Ichneumon devinctor Winn, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 71. [host *a*, Que.]

Protichneumon devinctor Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 102. [key, des., Hudson's Bay]

Ichneumon devinctor Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

Amblyteles (*Pterocormus*?) *devinctor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles devinctor Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164.
[syn.]

Amblyteles devinctor Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles devinctor Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.
[Me.]

Amblyteles devinctor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Ichneumon devinctor Townes, Ent. News, 1938, 49: 219. [biol.]

HEPIALIDAE: *a*, *Sthenopsis thule*.

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Pterocormus difficilis (Cresson) new combination

Ichneumon difficilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, o.d., Calif. (A.N.S.P.), B.C.]

Ichneumon difficilis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

Amblyteles difficilis Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host a]

PHALAENIDAE: a, *Prodenia praefica*.

Pterocormus discoensis (Fox) new combination

Ichneumon discoensis Fox, Proc. Acad. Nat. Sci. Phila., 1892, p. 134. (♂). [o.d., Disco Is., Greenland (A.N.S.P.)]

Pterocormus dorsalis (Cresson) new combination

Ichneumon dorsalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 177. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon dorsalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

Ichneumon dorsalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, des.]

Pterocormus egregiafacialis (Viereck) new combination

Ichneumon (Barichneumon) egregiafacialis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 291. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]

Pterocormus faciens (Davis) new combination

Ichneumon faciens Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♂. [o.d., Colfax, Ida. (A.N.S.P.)]

Pterocormus feralis (Cresson) new combination

Ichneumon feralis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. ♀. [o.d., Mass. (A.N.S.P.), Canada]

Ichneumon feralis Provancher, Nat. Canad., 1875, 7: 23, 75. [key, Que.]

Ichneumon feralis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, des., Canada, Mass., N.H.]

Ichneumon feralis Provancher, Nat. Canad., 1878, 10: 268, 349; (Faune, p. 275). [key, des.]

Ichneumon feralis Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Ichneumon feralis Slosson, Ent. News, 1896, 7: 264. [N.H.]

Ichneumon feralis Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]

Ichneumon feralis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta., Newfoundland]

Ichneumon feralis Walker, Canad. Ent., 1916, 48: 259. [Newfoundland]

Amblyteles feralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles feralis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles feralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles feralis Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Ichneumon feralis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [biol., Me.]

***Pterocormus flavofacialis* (Viereck) new combination**

Ichneumon (Probolus) flavofacialis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 291. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]

***Pterocormus funestus* (Cresson)**

Ichneumon funestus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 166. ♀. [o.d., Pa. (A.N.S.P.)]

Ichneumon funestus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada, Eastern, Middle, and Western States]

Ichneumon haesstans Provancher, Nat. Canad., 1875, 7: 24. [o.d. in key, Que. (type lost)]

Ichneumon hoestans (!) Provancher, Nat. Canad., 1875, 7: 80. ♀. [des., Que.]

Ichneumon funestus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀. [key, syn., des., Canada, Ill., Mass., N.H., Pa., Va.]

Ichneumon funestus Provancher, Nat. Canad., 1878, 10: 268, 362; (Faune, p. 287). [key, des.]

Ichneumon funestus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon funestus Slosson, Ent. News, 1895, 6: 4. [N.H.]

Ichneumon funestus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

Ichneumon funestus Nason, Ent. News, 1905, 16: 148. [Ill.]

Ichneumon funestus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

Ichneumon funestus Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

Ichneumon laetus Knight, Jour. Econ. Ent., 1915, 8: 514-515. [syn. (in part), fig., biol., host b, N.Y.] Misdetermined.

Ichneumon funestus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Pterocormus funestus (as *Ichneumon funestus* p. 173) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173, 174. ♀. [fig., Minn.]

Amblyteles funestus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles funestus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles funestus Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host a, Que.]

Amblyteles funestus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles funestus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Amblyteles funestus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles funestus Brown, Canad. Ent., 1934, 66: 262. [Ont.]

Ichneumon funestus Townes, Ent. News, 1938, 49: 219. [biol.]

Amblyteles funestus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

COLEOPHORIDAE: a, *Coleophora pruniella*. PHALAEINIDAE: b, *Cirphis unipuncta*.

***Pterocormus fuscifrons* (Cresson) new combination**

Ichneumon fuscifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 166. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon fuscifrons Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. [des., Ill.]

Ichneumon fuscifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des., Ill., N.Y.]

Ichneumon fuscifrons Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Amblyteles fuscifrons Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles fuscifrons Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles fuscifrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Ichneumon fuscifrons Townes, Ent. News, 1938, 49: 219. [biol.]

***Pterocormus glacialis* (Ashmead) new combination**

Ichneumon glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 154. ♂. [key, o.d., Juneau, Alaska (U.S.N.M.)]

Euichneumon glacialis Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

***Pterocormus groenlandicus* (Lundbeck) new combination**

Ichneumon groenlandicus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 223. ♀. [o.d., Tasersuak-Søen paa Nugsuakhalvøen and Hekla Havn, Greenland (Copenhagen Mus.)]

Ichneumon groenlandicus Nielsen, Meddel. om Grønland, 1907, 19: 384. [Greenland]

Ichneumon groenlandicus Nielsen, Meddel. om Grønland, 1910, 43: 56. [Greenland]

Ichneumon groenlandicus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. [syn.]

Ichneumon groenlandicus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 522. [syn., Greenland]

***Pterocormus hemimelanarius* (Viereck) new combination**

Ichneumon hemimelanarius Viereck, Trans. Amer. Ent. Soc., 1906, 32: 226. ♂. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

***Pterocormus heterocampae* (Cushman) new combination**

Amblyteles heterocampae Cushman, Proc. U. S. Nat. Mus., 1933, 82: 2. ♀. [o.d., host a, North Heath, Mass. (U.S.N.M.), N.J., Ohio]

Ichneumon (Amblyteles) heterocampae Neave, Rev. Appl. Ent., 1934, (A), 21: 226. [syn.]

Ichneumon heterocampae Townes, Ent. News, 1938, 49: 219. [biol.]

NOTODONTIDAE: a, *Heterocampa guttivitta*.

Pterocormus hiemalis (Cresson) new combination

Ichneumon hiemalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key, o.d., Aleutian Is., Alaska (A.N.S.P.)]

Ichneumon hiemalis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

Pterocormus hospitus (Cresson)

Ichneumon hospitus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Canada (A.N.S.P.)]

Ichneumon hospitus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂, ♀. [key, des., Canada, Ill.]

Ichneumon hospitus Harrington, Canad. Ent., 1895, 27: 156. [Ont.]

Amblyteles (*Pterocormus*?) *hospitus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

Amblyteles hospitus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Pterocormus infidelis (Cresson)

Ichneumon infidelis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., Conn. (A.N.S.P.)]

Ichneumon infidelis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♂. [key, des., Conn., Mass.]

Amblyteles (*Pterocormus*?) *infidelis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles infidelis Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Pterocormus infucatus (Cresson) new combination

Ichneumon infucatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 252. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon infucatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♂. [key, des., B.C., Calif., Colo.]

Ichneumon infucatus Harrington, Canad. Ent., 1887, 29: 21. [B.C.]

Pterocormus instabilis (Cresson)

Ichneumon instabilis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 303. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Conn., Me., N.J., W.Va.]

Ichneumon instabilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂, ♀. [key, des., Canada, Colo., Conn., Ga., Me., Mass., N.J., N.Y., Va.]

Ichneumon instabilis Provancher, Nat. Canad., 1878, 10: 268, 272, 358; (Faune, p. 284). [key, des.]

Ichneumon instabilis Howard, Proc. Ent. Soc. Wash., 1888, 1: 95. [biol., host a, N.H.]

Ichneumon instabilis Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1876. [key, syn. (in part), des.] Misdetermined, in part.

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- Ichneumon instabilis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
Ichneumon instabilis Evans, Canad. Ent., 1896, 28: 10. [Ont.]
Amblyteles (Pterocormus) winkleyi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 347, 348, 358. ♀. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
Amblyteles (Pterocormus?) instabilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]
Amblyteles instabilis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
Amblyteles instabilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
Amblyteles winkleyi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
Amblyteles instabilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
Amblyteles instabilis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
Amblyteles instabilis Brimley, Insects of N.C., 1938, p. 404. [N.C.]
 NYMPHALIDAE: a, *Oeneis melissa*.

***Pterocormus inurbanus* (Cresson) new combination**

- Ichneumon inurbanus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♀. [o.d., W.Va. (A.N.S.P.)]
Ichneumon inurbanus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, des. Colo., W.Va.]
Ichneumon inurbans (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
Ichneumon inurbanus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Amblyteles inurbanus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Pterocormus jucundus* (Brullé)**

- ?*Ichneumon multor* Harris, Rpt. Geol. Minn. Bot. Zool. Mass., 1833, p. 587. [Mass.] Nomen nudum.
Ichneumon jucundus Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 305. ♀. [o.d., N. Amer. (Paris Mus.)]
Ichneumon flavizonatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. ♂. [o.d., Va. (A.N.S.P.), N.Y.]
Ichneumon jucundus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada, Eastern, Middle, and Western States]
Ichneumon multor Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♂. [o.d., Canada (A.N.S.P.), Mass.]
Ichneumon jucundus Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]
Ichneumon flavizonatus Provancher, Nat. Canad., 1875, 7: 23, 74. [key, des., Que.]
Ichneumon flavizonatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, syn., des., Canada, Del., N.Y., Va.]

- Ichneumon jucundus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♀. [key, des., Canada, Me., N.Y., Pa.]
- Ichneumon jucundus* Provancher, Nat. Canad., 1878, 10: 268, 354; (Faune, p. 280). [key, des.]
- Ichneumon flavizonatus* Provancher, Nat. Canad., 1878, 10: 271, 353; (Faune, p. 279). [key, des.]
- Ichneumon flavizonatus* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1883, 3: 128. [des., host *a*, N.Y.]
- Ichneumon jucundus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Ichneumon jucundus* Riley and Howard, Insect Life, 1890, 3: 151. [host *b*, D.C., Ind., Mont., Va.]
- Ichneumon jucundus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon flavizonatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ichneumon jucundus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ichneumon jucundus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon jucundus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]
- Ichneumon flavizonatus* Howard, The Insect Book, 1902, plate 10, fig. 11.
- Ichneumon flavizonatus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon jucundus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon jucundus* Slosson, Ent. News, 1906, 17: 324. [N.H.]
- Ichneumon jucundus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon jucundus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon jucundus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 86. [host *a*, Ont.]
- Amblyteles flavizonatus* Britton, Rpt. Conn. Agr. Exp. Sta., 1915, 14: 168. [syn.]
- Ichneumon flavizonatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon jucundus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles* (*Pterocormus*?) *jucundus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]
- Amblyteles* (*Cratichneumon*?) *flavizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
- Amblyteles jucundus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Amblyteles jucundus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. ♂, ♀. [syn., des., host *e*, Ill., Pa.]
- Amblyteles jucundus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles jucundus* Dietz, Bull. Amer. Iris Soc., 1928, 26: 24. [des., host *d*, Ind.]

- Amblyteles jucundus* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
Amblyteles jucundus Ries, Bull. Amer. Iris Soc., 1929, 32: 38. [host *d*, Md.]
Amblyteles jucundus Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1930, 125: 160. [host *c*, Ia.]
Amblyteles jucundus Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1931, 143: 345. [biol., host *f*, Ia.]
Amblyteles jucundus Decker, Ia. State Col. Jour. Sci., 1935, 9: 573. [biol., host *c d f*, Ia.]
Amblyteles jucundus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAEINIDAE: a, *Cirphis unipuncta*; b, *Crymodes devastator*; c, *Luperina stipata*; d, *Macronoctua onusta*; e, *Papaipema circumlucens*; f, *Papaipema nebris*.

Pterocormus klagesi (Viereck) new combination

- Ichneumon flavofacialis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 245. ♂. [o.d., Allegheny Co., Pa. (Univ. Kans.)] Preoccupied by Viereck, 1905.
Ichneumon klagesi Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591. [new name for *Ichneumon flavofacialis* Viereck, 1906]

Pterocormus kodiakensis (Ashmead) new combination

- Ichneumon kodiakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]
Euichneumon kodiakensis Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

Pterocormus lachrymans (Provancher) new combination

- Ichneumon lachrymans* Provancher, Nat. Canad., 1875, 7: 24, 78. ♂. [key, o.d., Que. (M.P.Q.)]
Ichneumon lachrymans Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des., Canada, Mass.]
Ichneumon lachrymans Provancher, Nat. Canad., 1878, 10: 272, 357; (Faune, p. 282). [key, des.]
Ichneumon lachrymans Provancher, Nat. Canad., 1887, 16: 24. [Que.]
Amblyteles lachrymans Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
Amblyteles lachrymans Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles lachrymans Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
Amblyteles lachrymans Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Pterocormus laetus (Brullé)

- Ichneumon parata* Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte Ed., 2: 686). ♂. [des., Ind., Mo., Northwest Territory, Pa.] Misdetermined.
Ichneumon laetus Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 303. ♂. [o.d., N. Amer. (Paris Mus.)]

- Ichneumon leucaniae* Fitch, Boston Cultivator, Aug. 3, 1861, 23: 276. ♀.
[o.d., host *e*, N.Y. (U.S.N.M.)] This reference not seen. New synonymy.
- Ichneumon Leucaniae* Fitch, Rpt. Injurious and other Insects N.Y., 1861, 6: 126. ♀. [des., host *e*, N.Y.]
- Ichneumon laetus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. [syn.]
- Ichneumon seminiger* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 167. ♀. [o.d., Va. (A.N.S.P.), Mass., N.J., Pa.]
- Ichneumon laetus* Brackett, Practical Ent., 1865, 1: 19. [biol., host *b*, Me.]
- Ichneumon seminiger* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada; Eastern, Middle, and Western States]
- Ichneumon laetus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 300. [des., Canada, Eastern, Middle, and Western States]
- Ichneumon laetus* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, Que.]
- Ichneumon laetus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. [key, des., Canada, Del., Md., Mass., N.H., N.J., N.Y., Pa., Va.]
- Ichneumon seminiger* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, des., Canada, Ill., Mass., N.J., N.Y., Pa., Va.]
- Ichneumon laetus* Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 277). [key, des.]
- Ichneumon seminiger* Provancher, Nat. Canad., 1878, 10: 269, 364; (Faune, p. 289). [key, des., Que.]
- Ichneumon seminiger* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Ichneumon laetus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon seminiger* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc., 1894, 25: 54. [Que.]
- Ichneumon laetus* Slosson, Ent. News, 1895, 6: 4. [N.H.]
- Ichneumon seminiger* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Ichneumon laetus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon laetus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J., N.Y.]
- Ichneumon seminiger* Slosson, Ent. News, 1900, 11: 319. [N.H.]
- Ichneumon seminiger* Howard, The Insect Book, 1902, plate 9, fig. 15.
- Cratichneumon laetus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 73. [host *k*, Que.]
- Ichneumon laetus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon seminiger* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon laetus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon seminiger* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon laetus* Washburn, Jour. Econ. Ent., 1910, 3: 168. [host *h* ?*j*, Minn.]
- Ichneumon laetus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon seminiger* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Ichneumon laetus* Knight, Jour. Econ. Ent., 1915, 8: 515. [syn.] In part.
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 55, 56. [biol., Que.]

- Ichneumon seminiger* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Ichneumon seminiger Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269.
 [fig., host c]
Amblyteles (Pterocormus) laetus Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 359. [key, host i, Conn.]
Amblyteles (Pterocormus?) seminiger Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 359. [key, Conn.]
Amblyteles suturalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360.
 [key, Conn.] Misdeternined.
Amblyteles laetus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
 [Minn.]
Amblyteles seminiger Franklin and Lacroix, Jour. Econ. Ent., 1924, 17: 408.
 [host d, Mass.]
Amblyteles leucaniae Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
Amblyteles laetus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles seminiger Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145.
 [Me.]
Amblyteles laetus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
Amblyteles laetus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923.
 [syn., N.Y.]
Amblyteles leucaniae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 924. [N.Y.]
Amblyteles laetus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2;
 98. [Mass.]
Amblyteles leucaniae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,
 no. 2: 98. [Mass.]
Amblyteles laetus Breakey, Ann. Ent. Soc. Amer., 1931, 24: 43. [biol., host a f]
Amblyteles leucaniae Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
Amblyteles laetus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
 188: 139. [biol., host l, Mass.]
Amblyteles laetus Decker, Ia. State Col. Jour. Sci., 1935, 9: 573. [biol., host
 g j, Ia.]
Ichneumon leucaniae Townes, Ent. News, 1938, 49: 219. [biol.]
Amblyteles laetus Brimley, Insects of N.C., 1938, p. 404. [N.C.]
Amblyteles leucaniae Brimley, Insects of N.C., 1938, p. 404. [N.C.]
Amblyteles laetus Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70:
 87. [Que.]

PYRAUSTIDAE: a, *Pyrausta ainsliei*. GEOMETRIDAE: b, geometrid on woodbine.
 LYMANTRIIDAE: c, *Hemerocampa leucostigma*. PHALAENIDAE: d, *Amathes c-nigrum*; e,
Cirphis unipuncta; f, *Macronoctua onusta*; g, *Oligia fractilinea*; h, *Papaipema cataphracta?*;
 i, *Papaipema duplicata*; j, *Papaipema nebris*; k, climbing cut-worm; l, phalaenid.

***Pterocormus lividulus* (Provancher) new combination**

Ichneumon lividulus Provancher, Nat. Canad., 1877, 9: 10. ♀. [o.d., Que.
 (M.P.Q.)]

Ichneumon lividulus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♀. [key, des.]

Ichneumon lividulus Provancher, Nat. Canad., 1878, 10: 268, 360; (Faune, p. 286). [key, des.]

Ichneumon lividulus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

Ichneumon lividulus Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

Ichneumon lividus (!) Slosson, Ent. News, 1898, 8: 253. [N.H.]

Ichneumon lividulus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [host *a*, N.J.]

Stenichneumon lividulus Roman, Ent. Tidskr., 1910, 31: 192. [syn.]

PHALAEINIDAE: *a*, *Amathes c-nigrum*.

Pterocormus longulus (Cresson)

Ichneumon longulus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 171. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon longulus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

Ichneumon longulus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂. [key, des., B.C., Calif., Canada, Colo., N.M.]

Ichneumon longulus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon longulum Howard, The Insect Book, 1902, plate 10, fig. 5.

Ichneumon longulus Gillette, Bull. Colo. Agr. Exp. Sta., 1904, 94: 8. [host *a*, Colo.]

Ichneumon longulus Johnson, Bull. Colo. Agr. Exp. Sta., 1905, 98: 21. [host *a*, Colo.]

Ichneumon longulus Nason, Ent. News, 1905, 16: 148. [Ill.]

Ichneumon longulus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Man.]

Amblyteles (*Pterocormus*?) *longulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

Amblyteles (*Pterocormus*?) *longulus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 184. [fig.]

Amblyteles longulus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Ichneumon longulus Peck, Canad. Jour. Res., 1937, D, 15: 248, 249. [fig. ♂ genitalia]

Amblyteles longulus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Amblyteles longulus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

PHALAEINIDAE: *a*, *Chorizagrotis auxiliaris*.

Pterocormus maius (Cresson)

Ichneumon maius Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♀. [o.d., Mass. (A.N.S.P.)]

Ichneumon versabilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, o.d., N.Y. (A.N.S.P.), Canada, Me., Va.] New synonymy.

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- Ichneumon maius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀. [key, des., Mass., N.C.]
- Ichneumon versabilis* Provancher, Nat. Canad., 1882, 13: 308, 323; (Faune, p. 762). [key, des., Que.]
- Ichneumon versabilis* Howard, in Scudder: Butterflies of Eastern U.S. and Canada, 1889, 3: 1877. [key, fig., host *b c*]
- Ichneumon versabilis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon maius* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [biol., N.H.]
- Ichneumon versabilis* Slosson, Ent. News, 1900, 11: 319. [N.H.]
- Ichneumon versabilis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles (Pterocormus?) versabilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
- Amblyteles (Pterocormus?) brittoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 347, 348, 358. ♀. [o.d. in key, Torrington, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Amblyteles (Pterocormus?) maius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles versabilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles versabilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles versabilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]
- Amblyteles versabilis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *a*, Mass.]
- Ichneumon maius?* Townes, Ent. News, 1938, 49: 219. [biol.]
- Amblyteles maius* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- NYPHALIDAE: *a*, *Euphydryas phaeton*; *b*, *Polygonia faunus*. LYCAENIDAE: *c*, *Lycaena hypophlaeas*.

***Pterocormus mendax* (Cresson) new combination**

- Ichneumon mendax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♀. [key, o.d., Canada (A.N.S.P.), Mass.]
- Phygadeuon Guignardi* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]
- Ichneumon mendax* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon guignardi* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Ichneumon mendax* Davis, Canad. Ent., 1895, 27: 289. [syn.]
- Melanichneumon mendax* Roman, Ent. Tidskr., 1910, 31: 177. [syn.]
- Amblyteles mendax* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles mendax* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Phygadeuon guignardi* Walley, Canad. Ent., 1937, 69: 116. [syn.]
- Amblyteles mendax*, Brimley, Insects of N.C., 1938, p. 404, [biol., N.C.]

Pterocormus neutralis (Cresson) new combination

Ichneumon odiosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♂. [key, o.d., Calif. (A.N.S.P.)] New synonymy.

Ichneumon neutralis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♂. [key, o.d., Calif. (A.N.S.P.)]

Ichneumon odiosus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 348. [des.]

Ichneumon neutralis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. [des.]

Coelichneumon agnitus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn., des., ?Ga., Mexico, N.S.] In part.

Coelichneumon odiosus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, des.]

Pterocormus nigratorius (Fabricius) new combination

Ichneumon nigratorius Fabricius, System. Piez., 1804, p. 55. [o.d., North America (Copenhagen Mus.)]

Ichneumon nigratorius Trentepol, Isis von Oken, 1829, 22: 807. [redescription of type]

Ichneumon nigratorius Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 305. ♀. [des., Carolina]

Ichneumon nigratorius Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. [des.]

Pterocormus nigrotergus (Davis) new combination

Ichneumon nigrotergus Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Custer, S.D. (A.N.S.P.)]

Pterocormus nigrovariegatus (Provancher) new combination

Phygadeuon dorsalis Provancher, Nat. Canad., 1874, 6: 285. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1864. New synonymy.

Ichneumon humilis Provancher, Nat. Canad., 1875, 7: 24, 82. ♀ (not ♂). [key, o.d., Que. (M.P.Q.)] Preoccupied by Wesmael, 1857.

Phygadeuon nigrovariegatus Provancher, Nat. Canad., 1875, 7: 182, 183. ♀. [key, o.d., Que. (M.P.Q.)]

Phygadeuon dorsalis Provancher, Nat. Canad., 1875, 7: 183. [key]

Ichneumon humilis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

Ichneumon humilis var. *dorsalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [syn.]

Ichneumon nigrovariegatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

Ichneumon nigrovariegatus Provancher, Nat. Canad., 1878, 10: 357; (Faune, p. 283). [des.]

Ichneumon humilis Provancher, Nat. Canad., 1878, 10: 268, 358; (Faune, p. 283). [key, des.]

Ichneumon humilis Slosson, Ent. News, 1896, 7: 264. [N.H.]

Ichneumon humillimus Dalla Torre, Cat. Hymen., 1902, 3: 923. [new name for *Phygadeuon dorsalis* Provancher]

Amblyteles humillimus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles nigrovariegatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles humillimus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

Pterocormus ormsbyensis (Cameron) new combination

Pseudamblyteles ormsbyensis Cameron, Trans. Amer. Ent. Soc., 1908, 34: 242.

♂. [o.d., Ormsby Co., Nev. (British Mus.)]

Ichneumon ormsbyensis Heinrich, Ann. Mag. Nat. Hist., 1927, (10), 20: 273. [syn.]

Pterocormus parvus (Cresson)

Ichneumon parvus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 159. ♂. [o.d., Ill. (A.N.S.P.), N.Y.]

Ichneumon parvus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Eastern, Middle, and Western States]

Ichneumon parvus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Ill., Mass., N.Y., Va.]

Ichneumon xanthopsis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 390. ♂. [o.d., St. Louis, Mo. (U.S.N.M.)] New synonymy.

Ichneumon parvus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon parvus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon parvus Nason, Ent. News, 1905, 16: 148. [Ill.]

Ichneumon parvus Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

Ichneumon xanthropus (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Amblyteles (*Pterocormus*?) *parvus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles parvus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles parvus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles parvus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles parvus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Pterocormus patroclus (Viereck) new combination

Cratichneumon patroclus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

Pterocormus pedalis (Cresson) new combination

Ichneumon pedalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon pedalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. ♂, ♀. [des., Colo.]

- Ichneumon pedalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. [key, des.]
Cratichneumon pedalis Viereck, Ent. News, 1902, 13: 87. [syn.]
Cratichneumon pedalis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]
Ichneumon pedalis Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [des., Colo.]
Ichneumon pedalis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
Amblyteles pedalis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
Amblyteles pedalis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

Pterocormus pictifrons (Cresson) new combination

- Ichneumon pictifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 160. ♂. [o.d., Colo. (A.N.S.P.)]
Ichneumon pictifrons Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [Colo.]
Ichneumon pictifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des.]
Ichneumon pictifrons Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

Pterocormus placidus (Provancher) new combination

- Ichneumon placidus* Provancher, Nat. Canad., 1875, 7: 23, 76. ♂. [key, o.d., Que. (M.P.Q.)]
Ichneumon placidus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂. [key, des.]
Ichneumon placidus Provancher, Nat. Canad., 1878, 10: 272, 360; (Faune, p. 285). [key, des.]
Ichneumon placidus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
Protichneumon placidus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 103. [key, des., "U. S."]

Pterocormus popofensis (Ashmead) new combination

- Ichneumon popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 154. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]
Euichneumon popofensis Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

Pterocormus procax (Cresson) new combination

- Ichneumon procax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, o.d., Canada (A.N.S.P.)]

Pterocormus purpuripennis (Cresson) new combination

- Ichneumon purpuripennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, o.d., Calif. (A.N.S.P.)]
Ichneumon purpuripennis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 350. [des.]
Ichneumon purpuripennis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [host a, N.J.]

Amblyteles purpuripennis Swezey, Proc. Haw. Ent. Soc., 1923, 5: 303. [host *b*, Calif.]

PHALAEINIDAE: *a*, *Amathes c-nigrum*; *b*, *Cirphis unipuncta*.

Pterocormus putus (Cresson)

Ichneumon putus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, o.d., Conn. (A.N.S.P.)]

Ichneumon putus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

Amblyteles putus Franklin, Bull. Mass. Agr. Exp. Sta., 1916, 168: 32. [host *a*, Mass.]

Amblyteles (*Pterocormus*?) *putus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles putus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles putus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles putus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

GEOMETRIDAE: *a*, *Itame sulphurea*.

Pterocormus quadrizonatus (Viereck)

Amblyteles (*Pterocormus*) *quadrizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 352, 357. ♂. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

Amblyteles quadrizonatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles quadrizonatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles quadrizonatus Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]

Pterocormus restrictus (Cresson) new combination

Ichneumon restrictus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, o.d., N.Y. (A.N.S.P.)]

Amblyteles restrictus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles restrictus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Pterocormus rufiventris (Brullé)

Ichneumon rufiventris Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 301. ♂, ♀. [o.d., N. Amer. (Paris Mus.)]

Ichneumon semicoccineus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 179. ♂. [o.d., Va. (A.N.S.P.), Del.]

Ichneumon rufiventris Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Canada, Eastern, Middle, and Western States]

MEM. AMER. ENT. SOC., 11 pt. 1:

- Ichneumon semicoccineus* Provancher, Nat. Canad., 1875, 7: 24, 83. ♂, ♀.
[key, des., Que.]
- Ichneumon rufiventris* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♂, ♀.
[key, syn., des., host *d*, Calif., Canada, Del., Ill., Md., Mass., N.J., Pa., Va.]
- Ichneumon rufiventris* Provancher, Nat. Canad., 1878, 10: 268, 272, 359;
(Faune, p. 285). [key, des.]
- Ichneumon rufiventris* Heustis, Canad. Ent., 1881, 13: 143-144. [biol., host *c*,
N.B.]
- Ichneumon hunterae* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 22. ♂,
♀. [o.d., host *d*, no locality given (M.C.Z.)] New synonymy.
- Ichneumon rufiventris* Heustis, Ann. Rpt. Ent. Soc. Ont., 1882, 12: 29. [biol.,
host *c*, N.B.]
- Ichneumon insolens* Taylor, Canad. Ent., 1884, 16: 91. [host *c*, B.C.] Mis-
determined
- Ichneumon rufiventris* Riley and Howard, Insect Life, 1888, 1: 161. [host *a c d*]
- Ichneumon rufiventris* Weed, Psyche, 1888, 5: 53. [host *c*, Ohio]
- Ichneumon rufiventris* Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1875. [key, syn., des., fig., host *d*, Que.]
- Ichneumon rufiventris* Riley and Howard, Insect Life, 1890, 3: 151. [host *c*,
Mo., Pa., Va.]
- Ichneumon rufiventris* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon rufiventris* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- ?*Ichneumon vulviventris* Nason, Ent. News, 1905, 16: 148. [Ill.] Apparently a
lapsus for *Ichneumon rufiventris*.
- Ichneumon rufiventris* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon rufiventris* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634.
[N.J.]
- Protichneumon rufiventris* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 100, 103.
[key, des., Hudson Bay, N.H.]
- Ichneumon rufiventris* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles* (*Pterocormus*?) *rufiventris* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 358. [key]
- Amblyteles rufiventris* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.
[Minn.]
- Amblyteles rufiventris* Champlain, Psyche, 1922, 29: 100. [host *c d*, Pa.]
- Amblyteles rufiventris* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145.
[Me.]
- Amblyteles rufiventris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
925. [N.Y.]
- Amblyteles rufiventris* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles rufiventris* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 98. [Mass.]
- Amblyteles rufiventris* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
1934, 188: 140. [biol., host *b c d*, Me., Mass., N.J., N.Y., Pa.]

Amblyteles rufiventris Brimley, Insects of N.C., 1938, p. 405. [N.C.]
Amblyteles rufiventris Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939,
 70: 87. [Que.]

Amblyteles rufiventris Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host c,
 Calif.]

NYMPHALIDAE: a, *Nymphalis milberti*; b, *Polygonia comma*; c, *Vanessa cardui*; d,
Vanessa virginiensis.

***Pterocormus rufiventris* var. *incertus* (Cresson) new combination**

Ichneumon incertus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 180. ♀. [o.d.,
 N.J. (A.N.S.P.)]

Ichneumon californicus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 180. ♂.
 [o.d., Calif. (A.N.S.P.)] New synonymy.

Ichneumon rufiventris var. *incertus* Cresson, Trans. Amer. Ent. Soc., 1867, 1:
 291. [syn.]

Ichneumon rufiventris var. *californicus* Cresson, Synops. Hymen. N. Amer.,
 1887, p. 184. [syn.]

***Pterocormus seditiosus* (Cresson) new combination**

Ichneumon seditiosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀.
 [key, o.d., Colo. (A.N.S.P.)]

***Pterocormus similis* (Provancher) new combination**

Ichneumon similis Provancher, Nat. Canad., 1875, 7: 26. ♂. [key, o.d.,
 Que. (M.P.Q.)]

Ichneumon similis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key,
 des.]

Ichneumon similis Provancher, Nat. Canad., 1878, 10: 270, 298; (Faune, p.
 274). [key, des.]

Amblyteles similis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]
 In part.

Ichneumon similis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Automalus nigropilosus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 148. ♂.
 [o.d., Alaska (U.S.N.M.)] New synonymy.

***Pterocormus stygicus* (Cresson) new combination**

Ichneumon signatipes Provancher, Nat. Canad., 1875, 7: 22, 52. ♀. [key,
 o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1867.

Ichneumon stygicus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key,
 des., Canada, Mass., new name for *Ichneumon signatipes* Provancher]

Ichneumon stygicus Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p.
 270). [key, des.]

Amblyteles stygicus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles stygicus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

Amblyteles stygicus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Amblyteles stygicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Pterocormus subdolos (Cresson)

Ichneumon subdolos Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♀. [o.d., Mass. (A.N.S.P.), Me.]

Ichneumon subdolos Provancher, Nat. Canad., 1875, 7: 23, 53. [key, Que.]

Ichneumon subdolos Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♀. [key, des., Canada, Me., Mass.]

Ichneumon subdolos Provancher, Nat. Canad., 1878, 10: 268, 354; (Faune, p. 279). [key, des.]

Ichneumon subdolos Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Ichneumon subdolos Fletcher, Insect Life, 1892, 5: 125. [host a, Ont.]

Ichneumon subdolos Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

Ichneumon subdolos Winn, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 71. [host a]

Ichneumon subdolos Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

Ichneumon subdolos Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

Amblyteles (Pterocormus?) subdolos Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

Amblyteles subdolos Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Amblyteles subdolos Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles subdolos Johnson, Pub. Nantucket Maria Nitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles subdolos Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: a, *Hydroecia immanis*.

Pterocormus subrestricatus (Viereck) new combination

Cratichneumon restrictus var. *subrestricatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 76. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

Pterocormus terminatus (Provancher) new combination

Phygadeuon terminatus Provancher, Nat. Canad., 1882, 13: 335, 357; (Faune, p. 780). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Phygadeuon terminatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

Ichneumon terminatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Pterocormus trizonatus (Provancher) new combination

Ichneumon trizonatus Provancher, Nat. Canad., 1877, 9: 8. ♂. [o.d., Que. (M.P.Q.)]

Ichneumon trizonatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [key, des.]

Ichneumon trizonatus Provancher, Nat. Canad., 1878, 10: 271, 350; (Faune, p. 276). [key, des.]

Ichneumon trizonatus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon trizonatus Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

Amblyteles trizonatus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Pterocormus truculentus (Cresson) new combination

Ichneumon truculentus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

Amblyteles truculentus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles truculentus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Pterocormus tumidifrons (Cresson) new combination

Ichneumon tumidifrons Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon tumidifrons Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

Ichneumon tumidifrons Slosson, Ent. News, 1896, 7: 264. [N.H.]

Pterocormus ultimus (Cresson) new combination

Ichneumon ultimus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

Ichneumon ultimus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]

Amblyteles ultimus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Ichneumon ultimus Townes, Ent. News, 1938, 49: 219. [biol.]

Pterocormus unalaskae (Ashmead) new combination

Stenichneumon unalaskae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 148. ♂. [o.d., Unalaska, Alaska (U.S.N.M.)]

Pterocormus uncinatus (Cresson) new combination

Ichneumon uncinatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, o.d., Canada (A.N.S.P.)]

Amblyteles uncinatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles uncinatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Amblyteles uncinatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Pterocormus vecors (Cresson) new combination

Ichneumon ventralis Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)] Preoccupied by Cresson, 1865.

Ichneumon vecors Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des., new name for *Ichneumon ventralis* Cresson, 1867]

Ichneumon vecors Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Pterocormus vicinus (Cresson) new combination

Ichneumon vicinus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 169. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon vicinus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀. [key, des.]

Ichneumon vicinus Provancher, Addit. Faune Canada, Hymén., 1886, p. 32. ♀. [des., Ont.]

Ichneumon vicinus Nason, Ent. News, 1905, 16: 148. [Ill.]

Ichneumon vicinus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

Amblyteles vicinus Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Amblyteles vicinus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 397. [Me.]

Pterocormus vinulentus (Cresson) new combination

Ichneumon vinulentus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 162. ♂. [o.d., Colo. (A.N.S.P.)]

Ichneumon vinulentus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. [Colo.]

Ichneumon vinulentus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

Pterocormus vivax (Cresson) new combination

Ichneumon vivax Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

Ichneumon vivax Nason, Ent. News, 1905, 16: 148. [Ill.]

Amblyteles vivax Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles vivax Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Amblyteles vivax Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Amblyteles vivax Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

Pterocormus volesus (Cresson) new combination

Ichneumon volesus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♀. [o.d., Mass. (A.N.S.P.)]

Ichneumon volesus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♀. [key, des.]

Amblyteles volesus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

Amblyteles volesus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

Pterocormus zelotypus (Cresson) new combination

Ichneumon zelotypus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♂. [o.d., W.Va. (A.N.S.P.)]

Ichneumon zelotypus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

Subfamily 4. PHAEOGENINAE

Tribe 8. PROTICHNEUMONINI

COELICHNEUMON Thomson

Coelichneumon Thomson, Opusc. Ent., 1893, 18: 1901.

Genotype: *Ichneumon lineator* Gravenhorst.

Aglaojoppa Cameron, Ann. Mag. Nat. Hist., 1901, (7), 7: 381.

Genotype: *Aglaojoppa flavomaculata* Cameron.

Cyanojoppa Cameron, Ztschr. Hymen. Dipt., 1902, 3: 398.

Genotype: *Cyanojoppa rufo-femorata* Cameron.

Coelichneumon ater (Cresson) new combination

Ichneumon ater Cresson, Proc. Ent. Soc. Phila., 1864, 3: 138. ♀. [o.d., N.Y. (A.N.S.P.), Ill.]

Ichneumon ater Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♀. [key, des.]

Amblyteles ater Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles ater Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Coelichneumon azotus (Cresson) new combination

Ichneumon azotus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 150. ♂. [o.d., Del. (A.N.S.P.)]

Ichneumon agnitus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 151. ♀. [o.d., Del. (A.N.S.P.)] New synonymy.

Ichneumon agnitus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Del., Ill.]

Ichneumon azotus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Del., W.Va.]

Ichneumon agnitus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]

Ichneumon agnitus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♀. [key, des.]

Ichneumon azotus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des., Del., Mass., "Va."]

Ichneumon azotus Nason, Ent. News, 1905, 16: 147. [Ill.]

Cratichneumon azotus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Ichneumon azotus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]

Coelichneumon agnitus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn. (in part), des., ?Ga., Mexico, N.S.]

Amblyteles (*Cratichneumon*) *azotus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

Amblyteles agnitus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

Amblyteles agnitus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

Amblyteles azotus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

Amblyteles azotus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Amblyteles agnitus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Coelichneumon barnstoni* Morley**

Coelichneumon barnstoni Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. ♂, ♀. [key, o.d., Hudson Bay (British Mus.)]

Coelichneumon barnstoni Heinrich, Ann. Mag. Nat. Hist., 1937, (10), 22: 262. [syn.]

***Coelichneumon brunneri* (Rohwer) new combination**

Ichneumon brunneri Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 180. ♂, ♀. [o.d., fig., Missoula, Mont. (U.S.N.M.)]

Amblyteles brunneri Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

***Coelichneumon caeruleus* (Cresson)**

Ichneumon pulcher Brullé. Hist. Nat. Insectes, Hymén., 1846, 4: 304. ♂ only (♀ = *pulcher*), des.]

Ichneumon caeruleus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 149. ♀. [o.d., Ill. (A.N.S.P.)]

Ichneumon caeruleus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. Eastern, Middle, and Western States]

Ichneumon caeruleus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]

Ichneumon caeruleus Provancher, Nat. Canad., 1875, 7: 22, 53. ♂, ♀. [key, des., Que.]

Ichneumon caeruleus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♂, ♀. [key, des., Canada, Ga., Ill., Md., Mass., N.J., Pa., Tex., Va.]

Ichneumon caeruleus Provancher, Nat. Canad., 1878, 10: 267, 270, 292; (Faune, p. 268). [key, des.]

Ichneumon caeruleus Riley, Amer. Ent., 1880, 3: 134. [biol., host *e*]

Ichneumon caeruleus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Ichneumon caeruleus Riley and Howard, Insect Life, 1890, 3: 151. [host *f*, Mo.]

Ichneumon caeruleus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon caeruleus Slosson, Ent. News, 1895, 6: 317. [N.H.]

Ichneumon caeruleus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon coeruleus (!) Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., host *c*, D.C.]

Ichneumon caeruleus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Ichneumon coeruleus (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J.]

Ichneumon coeruleus (!) Howard, The Insect Book, 1902, plate 10, fig. 16.

Ichneumon caeruleus Nason, Ent. News, 1905, 16: 147. [Ill.]

Coelichneumon caeruleus Roman, Ent. Tidskr., 1910, 31: 152. [des., N.C.]

- Coelichneumon caeruleus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 127. [key, syn. (in part), des., Colo., Hudson Bay, Me., Mont., N.Y.]
- Ichneumon caeruleus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
- Amblyteles (Coelichneumon) caeruleus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles caeruleus* Champlain, Psyche, 1922, 29: 100. [host *g*, Pa.]
- Amblyteles caeruleus* Flanders, Pan-Pacific Ent., 1926, 2: 158. [host *b*, Calif.]
- Amblyteles caeruleus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles caeruleus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles caeruleus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles caeruleus* Balduf, Ohio Jour. Sci., 1929, 29: 226. [biol., host *d*, Ohio]
- Amblyteles caeruleus* Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host *d*, Wis.]
- Amblyteles caeruleus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Amblyteles caeruleus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]
- Amblyteles caeruleus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host *a*, Canada]
- GEOMETRIDAE: *a*, *Paraphia piniata*; *b*, *Prochoerodes forficaria*. LYMANTRIIDAE: *c*, *Hemerocampa leucostigma*. PHALAENIDAE: *d*, *Achatodes zede*. ARCTIIDAE: *e*, *Isia isabella*; *f*, arctiid. Miscellaneous: *g*, moth pupa.

***Coelichneumon chalybaeus* (Cresson)**

- Ichneumon chalybaeus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♀. [key, o.d., Mass. (A.N.S.P.)]
- Coelichneumon chalybaeus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 128. [key, Colo.]
- Coelichneumon germanus* (Cresson) new combination**
- Ichneumon germanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, o.d., Mass. (A.N.S.P.), W.Va.]
- Ichneumon citimus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.
- Ichneumon germanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J.]
- Amblyteles (Pterocormus?) germanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]
- Amblyteles citimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles germanus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles germanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

Amblyteles citimus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
Amblyteles germanus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 923. [N.Y.]

Coelichneumon histricus (Cresson) new combination

Ichneumon histricus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♂. [o.d.,
 W.Va. (A.N.S.P.)]
Ichneumon histricus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂. [key,
 des.]

Coelichneumon jejunos (Cresson)

Ischnus jejunos Cresson, Proc. Ent. Soc. Phila., 1864, 3: 186. ♂. [o.d., Ill.
 (A.N.S.P.), Mass.]
Ichneumon jejunos Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Ill.,
 N.Y.]
Ichneumon apertus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♀. [o.d.,
 Ill. (A.N.S.P.), Conn., N.Y.] New synonymy.
Ichneumon apertus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀. [key,
 des., Canada, Conn., Ill., N.Y.]
Ichneumon jejunos Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key,
 des., Ill., Mass., N.Y.]
Amblyteles jejunos Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Ichneumon jejunos Asfimead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.
 [N.Y.]
Amblyteles jejunos Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567.
 [N.Y.]
Ichneumon jejunos Nason, Ent. News, 1905, 16: 147. [Ill.]
Ichneumon jejunos Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
Coelichneumon jejunos Roman, Ent. Tidskr., 1910, 31: 152. [syn.]
Amblyteles (*Pterocormus*?) *apertus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
 1917, 22: 356. [key]
Amblyteles apertus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
Amblyteles apertus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 922. [N.Y.]
Amblyteles jejunos Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 923. [N.Y.]
Amblyteles apertus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Coelichneumon maurator (Brullé)

Joppa maurator Brullé, Hist. Nat. Insectes, Hymen., 1846, 4: 287. ♂, ♀.
 [o.d., Carolina (Paris Mus.)]
Ichneumon insolens Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂, ♀.
 [o.d., La. (A.N.S.P.), Fla., Ga., Miss.]
Joppa maurator Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

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- Ichneumon insolens* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]
Joppa Canadensis Provancher, Nat. Canad., 1874, 6: 336. ♀. [o.d., Que. (M.P.Q.)]
Ichneumon insolens Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂, ♀. [key, syn., des., Canada, Fla., Ga., La., N.C., Tex.]
Joppa maurator Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]
Ichneumon insolens Provancher, Nat. Canad., 1878, 10: 268, 272, 361; (Faune, p. 286). [key, des.]
Ichneumon insolens Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
Tetragonochora maurator Kriechbaumer, Ent. Nachr., 1898, 24: 30.
Tetragonochora insolens Howard, The Insect Book 1902, plate 9, fig. 13.
Macrojoppa canadensis Berthoumieu, Genera Insectorum, 1904, 18: 8. [syn.]
Microjoppa canadensis Berthoumieu, Genera Insectorum, 1904, 18: 11. [syn.]
Ichneumon insolens Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [host a]
Tetragonochora maurator Roman, Ent. Tidskr., 1910, 31: 194. [des.]
Coelichneumon maurator Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 131. [key, syn., des., United States]
Ichneumon insolens Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
Amblyteles (Tetragonochora) insolens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
Amblyteles insolens Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
Amblyteles maurator Brimley, Insects of N.C., 1938, p. 404. [N.C.]
 NYMPHALIDAE: a, *Nymphalis antiopa*.

Coelichneumon maurus (Cresson)

- Ichneumon maurus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 135. ♀. [o.d., W.Va. (not Va.) (A.N.S.P.)]
Ichneumon maurus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [W.Va.]
Ichneumon maurus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., Ga., N.C., "Va."]
Ichneumon maurus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
Amblyteles maurus Doane and Brodie, Bull. Wash. Agr. Exp. Sta., 1901, 47: 10. [biol., host a, Wash.]
Ichneumon maurus Nason, Ent. News, 1905, 16: 147. [Ill.]
Ichneumon maurus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 226. [Ariz.]
Ichneumon maurus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
Coelichneumon maurus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, syn. (in part), des., Hudson's Bay]
Amblyteles maurus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
Amblyteles maurus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

Amblyteles maurus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles maurus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles maurus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAEINIDAE: a, *Peridroma margaritosa*.

Coelichneumon navus (Say)

Ichneumon navus Say, Boston Jour. Nat. Hist., 1836, 1: 229; (Leconte, Ed. 2: 687). ♂, ♀. [o.d., United States (type destroyed)]

Ichneumon navus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern and Western States]

Ichneumon cinctipes Provancher, Nat. Canad., 1875, 7: 22, 51. ♀. [key, o.d., Que. (M.P.Q.)]

Ichneumon navus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂, ♀. [key, syn., des., Canada, Ill., Md., Pa.]

Ichneumon navus Provancher, Nat. Canad., 1878, 10: 267, 269, 292; (Faune, p. 268). [key, des.]

Ichneumon navus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Ichneumon navus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

Ichneumon navus Nason, Ent. News, 1905, 16: 147. [Ill.]

Coelichneumon navus Roman, Ent. Tidskr., 1910, 31: 152. [syn.]

Coelichneumon navus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, des., Ont.]

Amblyteles (*Coelichneumon*) *navus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

Amblyteles navus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]

Amblyteles navus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

Amblyteles navus Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

Amblyteles navus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

Amblyteles navus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 396. [Me.]

Amblyteles navus Brimley, Insects of N.C. 1938, p. 404. [N.C.]

Coelichneumon nigraticolor (Viereck) new combination

Amblyteles (*Chasmias*?) *nigraticolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 344, 355. ♀. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

Coelichneumon orpheus (Cresson) new combination

Ichneumon orpheus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 136. ♀. [o.d., Pa. (A.N.S.P.)]

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- Ichneumon orpheus* Cresson, Proc. Ent. Soc. Phila., 1867, 1: 290. [Conn., Pa.]
Ichneumon orpheus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., Mass., Pa.]
Ichneumon orpheus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
Ichneumon orpheus Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Obba (Ichneumon) orpheus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]
Ichneumon orpheus Washburn, Jour. Econ. Ent., 1910, 3: 168. [host *a b*, Minn.]
Ichneumon orpheus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Amblyteles (Chasmias) orpheus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]
Amblyteles orpheus Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
Amblyteles orpheus Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
Amblyteles orpheus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
Amblyteles orpheus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *c*, Ut.]

PHALAENIDAE: *a*, ?*Papaipema cataphracta*; *b*, ?*Papaipema nebris*. Miscellaneous: *c*, lepidopteran.

Coelichneumon otiosus (Say) new combination

- Ichneumon otiosus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 69; (Leconte, Ed. 1: 374). (♀). [o.d., Ind. (type destroyed)]
Ichneumon (Ichneumon) otiosus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
Ichneumon otiosus Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte, Ed. 2: 686). [des., Northwest Territories]
Ichneumon otiosus Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western states]
Ichneumon otiosus Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]
Ichneumon otiosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♀. [key, des., Canada, Del., Ill., N.J., Pa.]
Ichneumon otiosus Provancher, Nat. Canad., 1878, 10: 267, 297; (Faune, p. 273). [key, des.]
Ichneumon otiosus Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
Stenichneumon otiosus Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
Amblyteles (Stenichneumon?) otiosus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
Amblyteles otiosus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]
Amblyteles otiosus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
Amblyteles otiosus Brimley, Insects of N.C., 1938, p. 404. [N.C.]

Coelichneumon pepticus (Cresson) new combination

Ichneumon pepticus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Ill. (A.N.S.P.), N.J.]

Ichneumon pepticus Provancher, Nat. Canad., 1882, 13: 307, 322; (Faune, p. 761). [key, des., Que.]

Ichneumon pepticus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon pepticus Nason, Ent. News, 1905, 16: 147. [Ill.]

Amblyteles (*Cratichneumon*?) *pepticus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

Amblyteles pepticus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Coelichneumon pequitoorum (Viereck) new combination

Amblyteles (*Chasmias*?) *pequitoorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 345, 355. ♀. [o.d. in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)]

Coelichneumon pervagus (Cresson) new combination

Ichneumon pervagus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Canada (A.N.S.P.)]

Coelichneumon agnitus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn. (in part), des.]

Ichneumon pervagus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Amblyteles pervagus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

Amblyteles pervagus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Coelichneumon pulcher (Brullé)

Ichneumon pulcher Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 304. ♀. only (♂ = *caeruleus*). [o.d., N. Amer. (Paris Mus.)]

Ichneumon pulcher Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [La., N.Y.]

Ichneumon pulcher Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂, ♀. [key, des., Canada, La., N.Y.]

Coelichneumon pulcher Roman, Ent. Tidskr., 1910, 31: 152. [des.]

Coelichneumon pulcher Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 127. [key, des., Mexico]

Amblyteles (*Coelichneumon*) *pulcher*, Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key, Conn.]

Amblyteles pulcher Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

Amblyteles pulcher Brimley, Insects of N.C., 1938, p. 405. [N.C.]

Coelichneumon sassacus (Viereck)

Amblyteles (*Coelichneumon*) *sassacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 349, 360. ♀. [o.d. in key, Westville, Conn. (Conn. Agr. Exp. Sta.)]

Coelichneumon semilaevis (Cresson) new combination

Ichneumon semilaevis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 142. ♀. [o.d., Colo. (A.N.S.P.)]

Ichneumon semilaevis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. [Colo.]

Ichneumon semilaevis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♀. [key, des.]

Ichneumon semilaevis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Coelichneumon solutus occidentalis Roman

(*Ichneumon solutus* Holmgren, Ichneum. Suecica, 1864, 1: 145. ♀. [o.d., "Jemtlandia ad Åreskutan," Sweden (?Stockholm Mus.)])

(*Coelichneumon solutus* Roman, Ent. Tidskr., 1910, 31: 152. [des., Finland])

Coelichneumon solutus occidentalis Roman, Ann. Måg. Nat. Hist., 1934, (10), 14: 606. ♂. [o.d., Jameson Land, Greenland (?Stockholm Mus.)]

Coelichneumon viola (Cresson)

Ichneumon viola Cresson, Proc. Ent. Soc. Phila., 1864, 3: 137. ♀. [o.d., Pa. (A.N.S.P.)]

Ichneumon vittifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 143. ♂. [o.d., Del. (A.N.S.P.)] New synonymy.

Ichneumon vittifrons Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

Ichneumon viola Cresson, Trans. Amer. Ent. Soc., 1877, 1: 290, 292. [des., Pa. W.Va.]

Ichneumon viola Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]

Ichneumon viola Provancher, Nat. Canad., 1874, 7: 25. [key, des., Que.]

Ichneumon viola Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, des., Canada, Ga., Ill., Pa., Tex., "Va."]

Ichneumon vittifrons Cresson, Trans. Amer. Ent., Soc., 1877, 6: 153. ♂. [key, des., Del., Ga., Va.]

Ichneumon recens Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, o.d., W.Va. (A.N.S.P.)] New synonymy.

Ichneumon viola Provancher, Nat. Canad., 1878, 10: 267, 289; (Faune, p. 265). [key, des., Que.]

Ichneumon viola Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ichneumon vittifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

Ichneumon viola Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

Ichneumon viola Howard, The Insect Book, 1902, plate 10, fig. 20.

Ichneumon viola Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C.]

Ichneumon viola Nason, Ent. News, 1905, 16: 147. [Ill.]

Ichneumon vittifrons Nason, Ent. News, 1905, 16: 148. [Ill.]

Melanichneumon viola Roman, Ent. Tidskr., 1910, 31: 177. [syn.]

- Coelichneumon vittifrons* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 128. [key, des., ?Tex.]
- Coelichneumon viola* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, des.]
- Amblyteles* (*Melanichneumon*?) *viola* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles vittifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles viola* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles viola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vittifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vittifrons* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles viola* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *a*, Mass.]
- Amblyteles viola* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAENIDAE: *a*, *Catocala* sp.

***Coelichneumon vitalis* (Cresson) new combination**

- Ichneumon vitalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♀. [key, o.d., N.Y. (A.N.S.P.)]
- Ichneumon vitulis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Amblyteles vitalis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles vitalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles vitalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vitalis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PROTICHNEUMON Thomson

Protichneumon Thomson, Opusc. Ent., 1893, 18: 1899.

Genotype: *Ichneumon fusorius* Linnaeus.

***Protichneumon grandis* (Brullé)**

- Ichneumon grandis* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 300. ♀. [o.d., Philadelphia, Pa. (Paris Mus.)]
- Ichneumon ambiguus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 161. ♀. [o.d., Pa. (A.N.S.P.)]
- Ichneumon regnatrix* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 178. ♀. [o.d., Del. (A.N.S.P.), Pa., Va.]
- Ichneumon ambiguus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [des., Colo.]
- Ichneumon grandis* var. *regnatrix* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

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- Ichneumon grandis* var. *ambiguus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]
- Ichneumon grandis* Provancher, Nat. Canad., 1875, 7: 23, 75. [key, des., Que.]
- Ichneumon ambiguus* Provancher, Nat. Canad., 1875, 7: 23, 76. [key, des., Que.]
- Ichneumon ambiguus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]
- Ichneumon grandis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♂, ♀. [key, syn., des., B.C., Canada, Colo., Del., Ga., Mass., N.Y., Pa.]
- Ichneumon grandis* Provancher, Nat. Canad., 1878, 10: 268, 272, 359; (Faune, p. 284). [key, des.]
- Ichneumon grandis* Provancher, Nat. Canad., 1879, 11: 268. [Que.]
- Ichneumon grandis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon grandis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon grandis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565 [Pa.]
- Ichneumon grandis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Protichneumon grandis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 102. [key, des., Ga., Va.]
- Ichneumon grandis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon grandis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]
- Amblyteles* (*Pterocormus*?) *grandis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]
- Amblyteles grandis* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles grandis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles grandis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles grandis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles grandis* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles grandis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Protichneumon grandis* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

AMBLYJOPPA Cameron

- Amblyjoppa* Cameron, Ent., 1902, 35: 108.
- Genotype: *Amblyjoppa rufo-balteata* Cameron.
- Hadrojoppa* Cameron, Ztschr. Hymen. Dipt., 1902, 2: 396.
- Genotype: *Hadrojoppa annulitarsis* Cameron.

Amblyjoppa magna (Cresson) new combination

- Ichneumon magnus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. ♂. [o.d., Colo. (A.N.S.P.)]
- Amblyteles magnus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, des.]

Subfamily 4. PHAEOGENINAE

Tribe 9. TROGINI

CATADELPHUS Wesmael

Catadelphus Wesmael, Bull. Acad. Sci. Belg., 1854, suppl., p. 134.

Genotype: *Ichneumon arrogator* Fabricius.

Catadelphus atrox var. **atrox** (Cresson)

Trogus atrox Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♀. [o.d., Dakota Territory (A.N.S.P.)]

Trogus atrox Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, des.]

Trogus atrox Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [des., Kans.]

Trogus atrox Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

Catadelphus atrox Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342, 345. [key, des., host *a*, Calif., Colo., Kans., Mont., N.M., S.D., Tex.]

SPHINGIDAE: *a*, *Proserpinus juanita*.

Catadelphus atrox var. **marginipennis** (Cresson) new combination

Trogus marginipennis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 93. ♂. [o.d., Dakota Territory (A.N.S.P.)]

Trogus marginipennis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂. [key, des.]

Trogus marginipennis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]

Trogus marginipennis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

Catadelphus marginipennis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342. [key, des., Dakota Territory, Kans., N.M.]

Catadelphus buccatus (Cresson)

Trogus buccatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Trogus buccatus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

Trogus buccatus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

Trogus buccatus Brimley, Insects of N.C., 1938, p. 403. [N.C.]

Catadelphus buccatus Hopper, Trans. Amer. Ent. Soc., 1939, 65: 341. [key, des., B.C., Calif., Nev., Wash.]

Catadelphus semiruber Hopper

Catadelphus semiruber Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342. ♀. [key, o.d., Nipigon, Ont. (C.N.C.)]

GNAMPTOPELTA Hopper

Gnamptopelta Hopper, Trans. Amer. Ent. Soc., 1939, 65: 333.

Genotype: *Trogus obsidianator* Brullé:

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Gnamptopelta austrina (Cresson)

Trogus austrinus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♂, ♀. [o.d., Fla. (A.N.S.P.), Ga.]

Trogus austrinus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂, ♀. [key, des.]

Trogus austrinus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 82. [key]

Trogus austrinus Brimley, Insects of N.C., 1938, p. 403. [N.C.]

Gnamptopelta austrina Hopper, Trans. Amer. Ent. Soc., 1939, 65: 335. [key, des., Fla., Ga., S.C.]

Gnamptopelta obsidianator (Brullé)

Trogus obsidianator Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 299. ♀. [o.d., Carolina; Philadelphia, Pa. (Paris Mus.)]

Trogus obsidianator Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern, Middle, and Western States]

Trogus obsidianator Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

Trogus obsidianator Westcott, Canad. Ent., 1873, 5: 137. [host *a*, Ill.]

Trogus obsidianator Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀. [key, des., Ill., La., Pa., Tex.]

Trogus obsidianator Riley, Amer. Ent., 1880, 3: 134. [biol., host *a*]

Trogus obsidianator Riley and Howard, Insect Life, 1888, 1: 161. [host *b*]

Trogus obsidianator Weed, Psyche, 1888, 5: 52. [host ?*a*, Ohio]

Trogus obsidianator Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1879. [key, host *b*]

Trogus obsidianator Smith, Rpt. N.J. Geologist, 1890, 2: 23. [N.J.]

Psilomastax obsidianator Kriechbaumer, Ent. Nachr., 1898, 24: 26. [key]

Trogus obsidianator Foster, Proc. La. Soc. Nat. for 1897-99, 1900, p. 63. [La.]

Trogus obsidianator Nason, Ent. News, 1905, 16: 148. [Ill.]

Catadelphus obsidianator Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 80. [key, des., Ga.]

Trogus obsidianator Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

Trogus obsidianator Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, host *b*]

Trogus obsidianator Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]

Trogus obsidianator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

Trogus obsidianator Brimley, Insects of N.C., 1938, p. 403. [N.C.]

Gnamptopelta obsidianator Hopper, Trans. Amer. Ent. Soc., 1939, 65: 334, 345. [key, des., Conn., D.C., Ga., Ill., Ind., Kans., La., Md., Mass., Mich., Mo., N.J., N.M., N.Y., Ohio, Ont., Pa., Vt., Va.]

ARCHIIDAE: *a*, *Isia isabella*. PAPILIONIDAE: *b*, *Papilio ajax*.

CALLAJOPPA Cameron

Callajoppa Cameron, Ent., 1903, 36: 236.

Genotype: *Callajoppa bilineata* Cameron.

Callajoppa cirrogaster (Schrank)

Ichneumon Cirrogaster Schrank, Enum. Ins. Austr., 1781, p. 348. ♂. [o.d., Austria (location of type unknown)]

Callajoppa cirrogaster Hopper, Trans. Amer. Ent. Soc., 1939, 65: 332. [des., Ont.]

Occurrence in the Nearctic Region needs confirmation.

TRICYPHUS Kriechbaumer

Tricyphus Kriechbaumer, Ent. Nachr., 1898, 24: 4, 30.

Genotype: *Tricyphus cuspidiger* Kriechbaumer.

Tricyphus apicalis (Cresson)

Trogus apicalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, o.d., Ga. (A.N.S.P.)]

Trogus apicalis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

Trogus apicalis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *a*, Mass.]

Tricyphus apicalis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 338. [key, des., Ill., Mich., Ohio, Pa., Vt., Va.]

SPHINGIDAE: *a*, *Sphinx kalmiae*.

Tricyphus ater Hopper

Tricyphus ater Hopper, Trans. Amer. Ent. Soc., 1939, 65: 339. [key, o.d., Oakwood, Ill. (Ill. Nat. Hist. Surv.)]

Tricyphus elegans elegans (Cresson)

Trogus elegans Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♀. [o.d., Me. (A.N.S.P.)]

Trogus elegans Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♀. [key, des.]

Trogus elegans Morley, Rev. Ichneum. Brit. Mus., 1915, 3: 84. [key]

Trogus elegans Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.J.]

Trogus elegans Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

Tricyphus elegans elegans Hopper, Trans. Amer. Ent. Soc., 1939, 65: 337. [key, des., Conn., Ill., Me., Mass., N.Y., Ont., Que.]

Tricyphus elegans vulpinus Szépligeti

Tricyphus vulpinus Szépligeti, Termész. Füzet., 1900, 23: 288. ♀. [o.d., Jeannette, Pa. (Budapest Mus.)]

Trogus vulpinus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 88. [key, des.]

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- Tricyphus elegans vulpinus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 338, 344.
[key, des., host *a*, Ill., Kans., Md., Mass., N.J., N.Y., N.C., Ont., Pa., Va.]
SPHINGIDAE: *a*, *Ampeloeca myron*.

CONOCALAMA Hopper

Subgenus *Tmetogaster* Hopper

- Tmetogaster* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 321.
Genotype: *Trogus nubilipennis* Haldeman.

Conocalama (*Tmetogaster*) **nubilipennis** (Haldeman)

- Trogus nubilipennis* Haldeman, Proc. Acad. Nat. Sci. Phila., 1846, 3: 127.
[o.d., no locality given (location of type unknown; paratype in Geneva Mus.)]
Trogus nubilipennis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., W.Va.]
Trogus nubilipennis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂, ♀.
[key, des., Canada, Ga., Pa., Va.]
Trogus nubilipennis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
[N.J.]
Trogus nubilipennis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636.
[host *c d*]
Trogus nubilipennis Schulz, Zool. Annal., 1911, 4: 38. [description of Haldeman specimen in Geneva Mus.]
Trogus nubilipennis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]
Trogus nubilipennis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
Trogus nubilipennis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *b*, Mass.]
Conocalama (*Tmetogaster*) *nubilipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 321, 344, 345. [key, des., host *a b c d*, Ill., Md., N.J., N.Y., Ohio, Pa.]
SPHINGIDAE: *a*, *Ampeloeca* sp.; *b*, *Sphecodina abbottii*. ARCTIIDAE: *c*, *Isia isabella*.
PAPILIONIDAE: *d*, *Papilio ajax*.

Subgenus **Conocalama** Hopper

- Conocalama* Hopper, Trans. Amer. Ent. Soc., 1939, 63: 319.
Genotype: *Trogus brullei* Cresson.

Conocalama (**Conocalama**) **brullei** (Cresson)

- Trogus Brullei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀ [key, o.d., Conn. (A.N.S.P.), Ga., Pa.]
Trogus Brullei Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des., Que.]

- Automalus brullei* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
[host *a b*, N.J.]
- Trogus brullei* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [Que.]
- Trogus brullei* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key, des.]
- Trogus brullei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Trogus (Automalus) brullei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, Conn.]
- Trogus brullei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921.
[N.Y.]
- Trogus brullei* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97.
[Mass.]
- Trogus brullei* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *c*, Mass.]
- Conocalama (Conocalama) brullei* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 322.
[key, des., host *c*, Colo., Conn., Ga., Mass., N.Y., Pa., Tex.]
- SPHINGIDAE: *a*, *Dolba hylaeus*; *b*, *Paonias astylus*; *c*, *Paonias myops*.

Conocalama (Conocalama) copei var. **copei** (Cresson)

- Trogus copei* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♂. [o.d., W.Va. (A.N.S.P.)]
- Trogus copei* Provancher, Nat. Canad., 1874, 6: 335. ♂, ♀. [key, des., Que.]
- Trogus copei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. [key, des.]
- Trogus canadensis* Provancher, Nat. Canad., 1877, 9: 2. ♀. [o.d., Que. (M.P.Q.)]
- Trogus canadensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♂, ♀. [key, syn., des.]
- Trogus canadensis* Provancher, Nat. Canad., 1879, 12: 35; (Faune, p. 303).
[key, des.]
- Trogus copei* Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 768). [des., Que.] Evidently not *Trogus copei* of Cresson.
- Trogus Copei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Automalus canadensis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.
[N.Y.]
- Trogus canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1913, 43: 134. [Que.]
- Trogus canadensis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]
- Trogus copei* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]
- Trogus copei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus copei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921.
[N.Y.]
- Trogus canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
- Trogus canadensis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *a*, Mass.]
- Trogus copei* Brimley, Insects of N.C., 1938, p. 403. [N.C.]
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Conocalama (*Conocalama*) *copei* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 323, 344. [key, syn., des., host *a*, Alta., Canada, Ill., Mass., N.H., N.J., N.Y., Ont., Pa., Que., W.Va.]

SPHINGIDAE: *a*, *Paonias myops*.

***Conocalama* (*Conocalama*) *copei* var. *nigrocinctus* (Hasey)**

Trogus nigrocinctus Hasey, Ent. News, 1925, 36: 306. ♂. [o.d., N.Y. (Cornell Univ.)]

Conocalama (*Conocalama*) *copei* var. *nigrocinctus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 324. [key, des., host *a*]

SPHINGIDAE: *a*, *Paonias myops*.

***Conocalama* (*Conocalama*) *fuscalata* Hopper**

Conocalama (*Conocalama*) *fuscalata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 330. ♂, ♀. [key, o.d., Catskill Mts., N.Y. (A.N.S.P.), Pa.]

***Conocalama* (*Conocalama*) *galbinata* Hopper**

Conocalama (*Conocalama*) *galbinata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 328. ♂. [key, o.d., Dripping Spring, Organ Mts., N.M. (U.S.N.M.)]

***Conocalama* (*Conocalama*) *occidentalis bolteri* (Cresson)**

Trogus bolteri Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♂. [o.d., Lake Superior (Bolter Collection)]

Trogus quebecensis Provancher, Nat. Canad., 1874, 6: 335. ♀. [key, o.d., Que. (M.P.Q.)]

Trogus bolteri Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♂. [key, des.]

Trogus quebecensis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, des.]

Trogus quebecensis Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des.]

Trogus bolteri Slosson, Ent. News, 1902, 13: 5. [N.H.]

Trogus bolteri Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

Trogus quebecensis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

Trogus quebecensis Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

Trogus (*Automalus*) *quebecensis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 148, 172, 173. [fig., Minn.]

Conocalama (*Conocalama*) *occidentalis bolteri* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 324. [key, des., Alta., B.C., Me., Man., Mass., Mich., N.H., N.W. Terr., N.S., Ont.]

***Conocalama* (*Conocalama*) *occidentalis mellosa* (Cresson)**

Trogus mellosus Cresson, Rpt. Wheeler Expl. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. ♀ (not ♂). [o.d., N.M. (A.N.S.P.)]

Trogus mellosus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♀. [key, des.]

Trogus mellosus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

Conocalama (Conocalama) occidentalis mellosa Hopper, Trans. Amer. Ent. Soc., 1939, 65: 326. [key, des., Colo., N.M.]

Conocalama (Conocalama) occidentalis occidentalis var. luteata Hopper

Conocalama (Conocalama) occidentalis occidentalis var. *luteata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 326. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Alaska, B.C., Wash. Terr.]

Conocalama (Conocalama) occidentalis occidentalis var. occidentalis (Cresson)

Trogus occidentalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 93. ♂. [o.d., Dakota Territory (A.N.S.P.)]

Trogus occidentalis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂. [key, des.]

Trogus occidentalis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

Conocalama (Conocalama) occidentalis occidentalis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 325. [key, des., Calif., Dakota Terr., Ore.]

Conocalama (Conocalama) rileyi (Cresson)

Trogus rileyi Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♀. [o.d., Ill. (type lost)]

Trogus rileyi Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♀. [key, des.]

Amblyteles rileyi Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Trogus rileyi Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

Trogus rileyi Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]

Conocalama (Conocalama) rileyi Hopper, Trans. Amer. Ent. Soc., 1939, 65: 327. [key, des., Ill., Kans., Neb., S.D.]

Conocalama (Conocalama) violipennis Hopper

Conocalama (Conocalama) violipennis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 327. ♂, ♀. [key, o.d., Calif. (A.N.S.P.)]

MACROJOPPA Kriechbaumer

Macrojoppa Kriechbaumer, Ent. Nachr., 1898, 24: 2, 21.

Genotype: *Trogus blandita* Cresson.

Aglaojoppidea Viereck, Proc. U. S. Nat. Mus., 1913, 46: 368.

Genotype: *Trogus fascipennis* Cresson.

Macrojoppa fascipennis (Cresson)

Trogus fascipennis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. ♀. [key, o.d., Tex. (A.N.S.P.)]

Trogus fascipennis Dalla Torre, Cat. Hymen., 1902, 3: 1033. [emendation of *Trogus fascipennis* Cresson]

Aglaojoppidea fascipennis Viereck, Proc. U. S. Nat. Mus., 1913, 46: 368. [syn.]

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- Dinotomus faciipennis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 68. [key]
Macrojoppa fascipennis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 314. [syn., des.]

TROGUS Panzer

Trogus Panzer, Krit. Rev., 1806, 2: 80.

Genotype: (*Ichneumon coerulator* Fabricius) = *lapidator* Fabricius var.
Dinotomus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: (*Ichneumon coerulator* Fabricius) = *lapidator* Fabricius var.
Psilomastax Tischbein, Stettin. Ent. Ztg., 1868, 29: 255.

Genotype: (*Psilomastax pyramidalis* Tischbein) = *lapidator* var. *coerulator* Fabricius.

Trogus edwardsii Cresson

Trogus Edwardsii Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. ♂. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

Trogus Edwardsii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

Trogus Fletcherii Harrington, Canad. Ent., 1894, 26: 245. ♂ (not ♀). [o.d., host b, Vancouver Is., B.C. (C.N.C.)]

Trogus fletcheri Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host a, B.C.]

Dinotomus fletcheri Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 65. [key, des.]

Dinotomus edwardsi Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 67. [key]

Trogus edwardsii Hopper, Trans. Amer. Ent. Soc., 1939, 65: 317. [key, syn., des., B.C., Ida., Wash.]

PAPILIONIDAE: a, *Papilio eurymedon*; b, *Papilio* sp.

Trogus flavipennis Cresson

Trogus flavipennis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 287. (♂). [o.d., Colo. (A.N.S.P.)]

Trogus flavipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. [Colo.]

Trogus flavipennis Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. [key, des.]

Dinotomus flavipennis Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 68. [key, des.]

Trogus flavipennis Hopper, Trans. Amer. Ent. Soc., 1939, 65: 316. [key, des., Colo., N.M., Ut.]

Trogus fulvipes Cresson

Trogus fulvipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 39. ♂. [o.d., Me. (A.N.S.P.)]

Trogus obsidianator Provancher, Nat. Canad., 1873, 6: 335. ♀. [key, des., Que.] Misdetermined.

Trogus fulvipes Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. [key, syn., des., Me., N.H.]

- Trogus fulvipes* Provancher, Nat. Canad., 1879, 11: 13; (Faune, p. 302). [key, des.]
- Trogus apicatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♂. [o.d., Crawford Notch, N.H. (A.N.S.P.)]
- Trogus fulvipes* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host *a b*, B.C., Man.]
- Dinotomus fulvipes* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 64. [key]
- Dinotomus apicatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 64. [key, des.]
- Trogus fulvipes* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus fulvipes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [B.C.]
- Trogus (Psilomastix (!)) fulvipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]
- Trogus fulvipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *b*, Me., N.Y., R.I., Vt.]
- Trogus fulvipes* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 316. [key, des., host *b*, B.C., Colo., Me., Man., Mich., N.H., N.Y., Ont., Que., Sask.]
- PAPILIONIDAE: *a*, *Papilio eurymedon*; *b*, *Papilio glaucus*.

***Trogus pennator* (Fabricius) ***

- Ichneumon pennator* Fabricius, Ent. System., 1793, 2: 155. [o.d., Ga. (?type destroyed)]
- Trogus vulpinus* Gravenhorst, Ichneum. Europeae, 1829, 2: 389. ["?Genoa, Italy" (?Breslau Mus.)] New synonymy.
- Ichneumon (Trogus) pennator?* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Trogus exesorius* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 298. ♂, ♀. [o.d., Carolina, Philadelphia, Pa. (Paris Mus.)]
- Ichneumon asteriae* Jaeger, Life of N. Amer. Insects, 1859, p. 240. [o.d., fig., host *c*, (?N.J.) (location of type unknown, n. syn.)]
- Trogus exesorius* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167. [des., host *c*, Mass.]
- Trogus exesorius* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern, Middle and Western States]
- Trogus exesorius* Provancher, Nat. Canad., 1874, 6: 335. [key, Que.]
- Trogus vulpinus* Kriechbaumer, Stettin. Ent. Ztg., 1875, 36: 39. [syn., des., N. America]
- Trogus exesorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀. [key, des., Canada, Del., Ga., Ill., N.Y., Pa.]
- Ichneumon pennator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]
- Trogus exesorius* Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des.]
- Trogon (!) exesorius* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 21. [host *c f g i*, Mass., W. Va.]

* Fabricius described another species as *Ichneumon pennator* on page 171 of the same book. This was renamed *Ichneumon pinnator* by Thunberg in 1822.

- Trogus exesorius* Mundt, Canad. Ent., 1883, 15: 89. [host *c*, Ill.]
- Trogus Exesorius* Clarkson, Canad. Ent., 1883, 15: 162. [biol., host *i*]
- Trogus exesorius* Weed, Psyche, 1888, 5: 52. [biol., host *c*, Ohio]
- Trogus exesorius* Riley and Howard, Insect Life, 1888, 1: 161. [host *c f g i*]
- Trogus exesorius* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1878. [key, fig., host *a c f g i*, Ill., Mich., Mo., W.Va.]
- Trogus exesorius* Riley and Howard, Insect Life, 1890, 3: 152. [host *c f*, D.C., Mo., N.Y., Tex.]
- Trogus exesorius* Smith, Rpt. N.J. Geologist, 1890, 2: 23. [N.J.]
- Trogus exesorius* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Trogus exesorius* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *c i*, N.H.]
- Psilomastax vulpinus* Kriechbaumer, Ent. Nachr., 1898, 24: 27. [key, syn., host *c*]
- Trogus exesorius* Winn, Ann. Rpt. Ent. Soc. Ont., 1899, 29: 36. [host *d*]
- Psilomastax exesorius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 563. [N.J., N.Y.]
- Psilomastax vulpinus* Szépligeti, Termész. Füzet., 1900, 23: 288. [Pa.]
- Trogus exesorium* Howard, The Insect Book, 1902, plate 8, fig. 42.
- Psilomastax vulpinus* Berthoumieu, Genera Insectorum, 1904, 18: 15. [syn.]
- Trogus exesorius* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1909, 83: 23. [host *c*]
- Trogus vulpinus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636. [N.J.]
- Macrojoppa californica* Cameron, Soc. Ent., 1911, 26: 35. [o.d., host *j*, Irukel Pass, Calif. (?British Mus.)]
- Dinotomus vulpinus* Strand, Arch. Naturges., 1912, 78, A, heft 6: 74. [host *i*, N.Y.]
- Dinotomus vulpinus* var. *nigrothorax* Strand, Arch. Naturges., 1912, 78, A, heft 6: 74. [o.d., host *c*, N.Y. (location of type unknown) New synonymy.]
- Dinotomus vulpinus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 65. [key, syn., host *c*, Fla., Mich., Mo., N.H., N.Y., Ont.]
- Trogus exesorius* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus (Psilomastax) vulpinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, fig., Conn.]
- Trogus (Psilomastix (!)) vulpinus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]
- Trogus vulpinus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Psilomastax vulpinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
- Psilomastax vulpinus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host ?*c f i*, Conn., Me., Mass., N.H., N.J., N.Y., R.I.]
- Psilomastax vulpinus* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

Trogus vulpinus Hopper, Trans. Amer. Ent. Soc., 1939, 65: 318, 344, 345.
[key, des., host *e h*, Ala., Calif., Conn., Del., D.C., Fla., Ga., Ill., Kans.,
Md., Mass., Mo., Nev., N.H., N.J., N.Y., N.C., Ohio, Ont., Ore., Pa.,
Wash., W.Va.]

Trogus vulpinus Beaulne, Canad. Ent., 1939, 71: 120. [host *b c*, Que.]

Trogus vulpinus Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34.
[fig., morphology]

NYMPHALIDAE: a, *Vanessa cardui*. PIERIDAE: b, *Pieris rapae*. PAPILIONIDAE: c,
Papilio ajax; d, *Papilio brevicauda*; e, *Papilio eurymedon*; f, *Papilio glaucus*; g, *Papilio*
marcellus; h, *Papilio rutulus*; i, *Papilio troilus*; j, *Papilio zelicaon*.

Subfamily 5. LISSONOTINAE

Tribe 1. GLYPTINI

GLYPTA Gravenhorst

Glypta Gravenhorst, Ichneum. Europeae, 1829, 3: 3.

Genotype: *Glypta sculpturata* Gravenhorst.

Conoblasta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 165.

Genotype: *Pimpla ceratiles* Gravenhorst.

Diblastomorpha Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 165.

Genotype: *Glypta bicornis* Boie.

Hemiephialtes Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 177.

Genotype: *Hemiephialtes glyptus* Ashmead.

Zaglyptomorpha Viereck, Proc. U. S. Nat. Mus., 1913, 46: 385. New synonymy.

Genotype: *Zaglyptomorpha attenuata* Viereck.

Glypta albiscutellaris Walsh

Glypta albiscutellaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 127. ♂.
[o.d., (?Ill.) (type destroyed)]

Glypta animosa Cresson

Glypta animosa Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♀. [key, o.d.,
N.Y. (A.N.S.P.)]

Glypta animosa Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 52.
[biol., host *a*, N.Y.]

Glypta animosa Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317.
[key]

Glypta animosa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934.
[N.Y.]

Glypta animosa Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: a, *Polychrosis viteana*.

Glypta aprilis Viereck

Glypta aprilis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 316. ♀. [o.d.,
Douglas Co., Kans., 900 ft. (Univ. Kans.)]

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Glypta areolata Viereck

Glypta areolata Viereck, Trans. Amer. Ent. Soc., 1903, 29: 88. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Glypta borealis Cresson

Glypta borealis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Canada (A.N.S.P.)]

Glypta borealis Provancher, Nat. Canad., 1873, 5: 472. ♂, ♀. [key, des., Que.]

Glypta borealis Provancher, Nat. Canad., 1880, 12: 67; (Faune, p. 471). [key, des.]

Glypta borealis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Glypta brunneisigna Viereck

Glypta brunneisigna Viereck, Trans. Kans. Acad. Sci., 1905, 19: 316. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]

Glypta californica Provancher

Glypta Californica Provancher, Addit. Faune Canad. Hymén., 1886, p. 117. ♀. [o.d., Calif. (M.P.Q.)]

Glypta canadensis Cresson

Glypta canadensis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., Canada (A.N.S.P.)]

Glypta Canadensis Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]

Glypta Canadensis Provancher, Nat. Canad., 1880, 12: 67; (Faune, p. 471). [key, des.]

Glypta canadensis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Glypta canadensis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Glypta canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Glypta caulicola Cushman

Glypta rufiscutellaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 126. ♂, ♀. [des., host *c*, (?Ill.) (specimens destroyed)] Misdetermined.

Glypta animosa Riley and Howard, Insect Life, 1891, 3: 463. [host *b c d*, D.C., Tex., Va.] Misdetermined.

Glypta caulicola Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 9. ♂, ♀. [syn., des., host *a c*, Ohio, new name for *Glypta rufiscutellaris* as misdetermined by Walsh]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*. TORTRICIDAE: *b*, tortricid. OLETHREUTIDAE: *c*, *Epiblema scudderiana*. PYRALIDIDAE: *d*, pyralidid.

Glypta dakota Cresson

Glypta Dakota Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♀. [key, o.d., Dakota (A.N.S.P.)]

Glypta davisii Dalla Torre

Glypta longicauda Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] Preoccupied by Hartig, 1838.

Glypta davisii Dalla Torre, Cat. Hymen., 1901, 3: 410. [new name for *Glypta longicauda* Davis]

Glypta divaricata Say

Anomalon divaricatus Say, Boston Jour. Nat. Hist., 1836, 1: 244; (Leconte Ed., 2: 699). [o.d., Fla. (type destroyed)]

Glypta divaricata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. [syn.]

Glypta divaricata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn.]

Glypta divaricata Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 155. [syn., des.]

Glypta diversipes Walsh

Glypta diversipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 125. ♀. [o.d., (?Ill.) (type destroyed)]

Glypta egregiafovea Viereck

Glypta egregiafovea Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

Glypta erratica Cresson

Glypta erratica Cresson, Trans. Amer. Ent. Soc., 1870, 3: 152. ♂, ♀. [key, o.d., W.Va. (A.N.S.P.), Del., N.Y., Pa.]

Glypta erratica Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]

Glypta erratica Provancher, Nat. Canad., 1880, 12: 66; (Faune, p. 470). [key, des.]

Glypta erratica Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1885. [fig., host *b*, Mo.]

Glypta erratica Riley and Howard, Insect Life, 1891, 3: 463. [host *c*, Mo.]

Glypta erratica Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Glypta erratica Nason, Ent. News, 1905, 16: 171. [Ill.]

Glypta erratica Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [N.S.]

Glypta (*Conoblasta*) *erratica* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

Glypta erratica Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Glypta erratica Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Glypta erratica Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Glypta erratica Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

Glypta erratica Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, Mass.]

Glypta erratica Brimley, Insects of N.C., 1938, p. 409. [N.C.]

SATURNIIDAE: *a*, *Hemileuca lucina* or *maia*. NYMPHALIDAE: *b*, *Polygonia comma*. MISCELLANEOUS: *c*, lepidopterous stem borer in *Eupatorium* sp.

***Glypta evetriae* Cushman**

Glypta evetriae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 469. ♂, ♀. [o.d., host *a*, Ashland, Ore. (U.S.N.M.), Mont.]

Glypta evetriae Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

OLETHREUTIDAE: *a*, *Barbara colfaxiana taxifoliella*.

***Glypta exartemae* Walley**

Glypta exartemae Walley, Canad. Ent., 1934, 66: 235. ♂, ♀. [o.d., host *b*, St. Davids, Ont. (C.N.C.)]

Glypta exartemae Putman, Canad. Ent., 1935, 67: 107. [host *a*, Ont.]

OLETHREUTIDAE: *a*, *Exartema viburnana*; *b*, *Exartema* sp.

***Glypta fumiferanae* (Viereck)**

Conoblasta fumiferanae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 148. ♂, ♀. [o.d., host *a*, Maniwaki, Que. (U.S.N.M.)]

Conoblasta fumiferana (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]

Conoblasta fumiferanae Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *b*]

Glypta fumiferanae Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 251. [fig. ♂ genitalia]

Glypta fumiferanae Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

Glypta fumiferanae Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *a*, Canada]

TORTRICIDAE: *a*, *Archips fumiferana*. LYMANTRIIDAE: *b*, *Hemerocampa pseudo-tugata*.

***Glypta idahoensis* Davis**

Glypta idahoensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Ida. (A.N.S.P.)]

***Glypta impressa* Davis**

Glypta impressa Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂, ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

***Glypta infumata* Walley**

Glypta infumata Walley, Canad. Ent., 1934, 66: 236. ♀. [o.d., Nordegg, Alta. (C.N.C.)]

Glypta inversa Cresson

Glypta inversa Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. ♀. [key, o.d., Mass. (A.N.S.P.)]

Glypta inversa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Glypta kukakensis Ashmead

Glypta kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♀. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

Glypta longiventris Cresson

Glypta longiventris Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♂. [key, o.d., Ill. (A.N.S.P.)]

Glypta longiventris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 128. ♂, ♀. [des.]

Glypta macra Cresson

Glypta macra Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♀. [key, o.d., Canada (A.N.S.P.)]

Glypta coloradensis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Colo. (A.N.S.P.)]. New synonymy.

Glypta ruficornis Provancher, Nat. Canad., Dec. 1873, 5: 473. ♂. [key, o.d., Que. (M.P.Q.)]. Preoccupied by Walsh, June? 1873.

Glypta macra Provancher, Nat. Canad., 1880, 12: 68; (Faune, p. 472). ♂, ♀. [key, syn., des.]

Glypta macra Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Calif.]

Glypta macra Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [des., Calif.]

Glypta macra Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Glypta macra Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

OLETHREUTIDAE: *a*, "*Paedisca*" sp.

Glypta militaris Cresson

Glypta militaris Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♀. [key, o.d., Ill. (A.N.S.P.)]

Glypta militaris Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, Tex.]

Glypta militaris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

Glypta militaris Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

OLETHREUTIDAE: *a*, *Proteoteras aesculana*.

Glypta monita Cresson

Glypta monita Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., W.Va. (A.N.S.P.)]

Glypta monita Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, D.C., Tex.]

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Glypta monita Brimley, Insects of N.C., 1938, p. 409. [N.C.]

GELECHIIDAE: a, *Trichotaphe juncidella*.

***Glypta mutica* Cushman**

Glypta mutica Cushman, Proc. U. S. Nat. Mus., 1919, 55: 540. ♂, ♀. [o.d., host a, North East, Pa. (U.S.N.M.)]

Glypta mutica Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host a, Mich.]

Glypta mutica Dozier and Butler, Jour. Econ. Ent., 1929, 22: 135. [host a, Del.]

Glypta mutica Dozier, Butler and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 41. [host a, Del.]

Glypta muticus Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: a, *Polychrosis viteana*.

***Glypta nomene* Davis**

Glypta nomene Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Colo. (A.N.S.P.)]

***Glypta pedata* Desvignes**

Glypta pedata Desvignes, Cat. Ichneum. Brit. Mus., 1856, p. 74. [o.d., British Isles (British Mus.)]

Glypta pedata Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [syn. (in part), Alaska, Hudson Bay]

Occurrence in the Nearctic Region needs confirmation.

***Glypta phoxopteridis* Weed**

Glypta phoxopteridis Weed, Ent. Amer., 1888, 4: 151. ♀. [o.d., host b, Anna, Ill. (Ill. Nat. Hist. Surv.)]

Glypta leucozonata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 449. ♂. [o.d., host c, Kirkwood, Mo. (U.S.N.M.)] New synonymy.

Ctenochira leucozonata Slosson, Ent. News, 1900, 11: 320. [N.H.]

Ctenochira leucozonata Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

Glypta phoxopteridis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

Ctenochira leucozonata Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Glypta phoxopteridis Frost, Bull. Pa. Agr. Exp. Sta., 1926, 205: 13. [host a, Pa.]

Glypta phoxopteridis Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Glypta phoxopteridis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Glypta phoxopteridis Haeussler, Jour. Agr. Res., 1930, 41: 366. [host d]

Glypta phoxopteridis Brimley, Insects of N.C., 1938, p. 409. [N.C.]

TORTRICIDAE: a, *Amorbia humerosana*. OLETHREUTIDAE: b, *Ancyliis comptana*; c, *Grapholitha interstinctana*; d, *Grapholitha molesta*.

Glypta popofensis Ashmead

Glypta popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♂, ♀.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Glypta pulchripes Cresson

Glypta pulchripes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 135. ♀. [key,
o.d., W.Va. (A.N.S.P.)]

Glypta pulchripes Slosson, Ent. News, 1895, 6: 317. [N.H.]

Glypta pulchripes Nason, Ent. News, 1905, 16: 172. [Ill.]

Glypta pulchripes Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Glypta pulchripes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934.
[N.Y.]

Glypta rubripes Cresson

Glypta rubripes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 156. ♂, ♀. [key,
o.d., Canada (A.N.S.P.)]

Glypta rubripes Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Colo.,
Mo.]

Glypta rubripes Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: *a*, *Exartema footianum*.

Glypta ruficornis Walsh

Glypta ruficornis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 129. ♂. [o.d.,
(?Ill.) (type destroyed)]

Glypta ruficornis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Glypta rufipleuralis Walsh

Glypta rufipleuralis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 125. ♂. [o.d.,
(?Ill.) (type destroyed)]

Glypta rufipleuralis Nason, Ent. News, 1905, 16: 172. [Ill.]

Glypta rufiscutellaris Cresson

Glypta rufiscutellaris Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. ♂, ♀.
[key, o.d., Ill. (A.N.S.P.), Conn., N.J.]

Glypta rufiscutellaris Riley and Howard, Insect Life, 1891, 3: 464. [host *m*,
Mo., Neb., Tex:]

Glypta rufiscutellaris Slosson, Ent. News, 1895, 6: 317. [N.H.]

Glypta rufiscutellaris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575.
[N.J.]

Glypta rufiscutellaris Nason, Ent. News, 1905, 16: 172. [Ill.]

Glypta rufiscutellaris Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625.
[host *m*]

Glypta rufiscutellaris Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [host *m*]

Glypta brevis Cushman, Proc. U. S. Nat. Mus., 1915, 48: 510. ♀. [o.d., host
c, W.Va. (U.S.N.M.)] New synonymy.

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- Glypta rufiscutellaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317.
[key]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1926, 275: 281.
[host *h*, Conn.]
- Glypta rufiscutellaris* Willits, Bull. Pa. Dept. Agr., 1926, 436: 67. [host *h*, Pa.]
- Glypta rufiscutellaris* Stearns, Cir. N.J. Agr. Exp. Sta., 1927, 208: 8. [biol.,
host *h*, N.J.]
- Glypta rufiscutellaris* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191.
[host *h*, N.J.]
- Glypta rufiscutellaris* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 5, 6, 18, 19,
24. [biol., host *h*, Conn., Md., N.J., Ont., Pa.]
- Glypta rufiscutellaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
934. [host *h*, N.Y.]
- Glypta rufiscutellaris* McConnell, Bull. Md. Agr. Exp. Sta., 1928, 298: 180.
[biol., host *h*, Md.]
- Glypta rufiscutellaris* Daniel, Cir. N.Y. Agr. Exp. Sta., 1928, 106: 7. [fig., host
h, N.Y., Pa.]
- Glypta rufiscutellaris* Peterson, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 85. [biol.,
host *h*]
- Glypta rufiscutellaris* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77.
[host *h*, Ont.]
- Glypta rufiscutellaris* Daniel, Amer. Agr., 1929, 124: 361, 369. [fig., biol., host *h*,
N.Y.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126.
[biol., host *h*, Ont.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1929, 305: 734. [fig.,
biol., host *h*, Conn.]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1929,
431: 78. [host *h*, Ohio]
- Glypta* sp. Haeussler, Trans. Peninsula Hort. Soc., 1929, 18, no. 5: 85. [host
h, N.J.]
- Glypta rufiscutellaris* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136.
[host *f h*, Ind., N.J., Ohio, Pa.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1930, 313: 436, 441.
[fig., biol., host *h*, Conn.]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930,
446: 78, 79. [host *h*, Ohio]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930,
457: 17. [host *h*, Ohio]
- Glypta rufiscutellaris* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 7-13, 16-17.
[biol., host *h*, N.J.]
- Glypta rufiscutellaris* Driggers, Jour. Econ. Ent., 1930, 23: 213. [host *h*, N.J.]
- Glypta rufiscutellaris* Haeussler, Jour. Agr. Res., 1930, 41: 368, 371, 372, 376.
[fig., biol., host *h*, N.J.]

- Glypta rufiscutellaris* Daniel, Jour. Econ. Ent., 1930, 23: 215, 216. [host *h*, N.Y.]
- Glypta rufiscutellaris* Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1931, 51: 158-159. [biol., host *h*, N.J.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *h*, Ont.]
- Glypta rufiscutellaris* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 79. [host *h*, Tenn.]
- Glypta rufiscutellaris* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [parasite *a b*, N.J.]
- Glypta rufiscutellaris* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *h*, N.Y.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68, 69. [host *h*, Ont.]
- Glypta rufiscutellaris* Caesar & Ross, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 15. [host *h*, Ont.]
- Glypta rufiscutellaris* Allen, Jour. Econ. Ent., 1932, 25: 365. [host *h*, Ga.]
- Glypta rufiscutellaris* McConnell, Jour. Econ. Ent., 1932, 25: 368, 369. [host *f h*, Md.]
- Glypta rufiscutellaris* Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 217: 1-29. [fig., biol., host *f h*, N.Y.]
- Glypta rufiscutellaris* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 52. [host *h*, Ohio]
- Glypta rufiscutellaris* Merritt, Quart. Bull. Mich. Agr. Exp. Sta., 1933, 15: 225-226. [biol., host *f h*, Mich.]
- Glypta rufiscutellaris* Hutson, Ann. Rpt. State Hort. Soc. Mich., 1933, 62: 110. [host *f h*, Mich.]
- Glypta rufiscutellaris* Merritt, Midwest Fruitman, Aug.-Sept. 1933, p. 8. [biol., host *f h*, Mich.]
- Glypta rufiscutellaris* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *h*, Tenn.]
- Glypta rufiscutellaris* Merritt, Jour. Econ. Ent., 1933, 26: 788-792. [biol., host *h*, Mich.]
- Glypta rufiscutellaris* Montgomery, Canad. Ent., 1933, 65: 189-190. [biol., host *f*, Ind.]
- Glypta rufiscutellaris* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 594-596. [biol., host *f*, N.J.]
- Glypta rufiscutellaris* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1934, 47: 59. [host *h*, S.C.]
- Glypta rufiscutellaris* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 440, 441, 447. [fig., host *h*, Md.]
- Glypta rufiscutellaria* (!) McSparran, Bull. Pa. Dept. Agr., 1934, 526: 27. [host *h*, Pa.]
- Glypta rufiscutellaris* Gardner, Bienn. Rpt. Mich. Agr. Exp. Sta., 1934, p. 29. [host *h*, Mich.]

- Glypta rufiscutellaris* Putman, Canad. Ent., 1935, 67: 46-48. [biol., host a f h i j k, Ont.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 69-72. [biol., host h, Ont.]
- Glypta rufiscutellaris* Garman and Schread, Bull. Conn. Agr. Exp. Sta., 1935, 368: 234. [host h, Conn.]
- Glypta rufiscutellaris* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44. [host f, S.C.]
- Glypta rufiscutellaris* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 11-42. [fig., biol., host f h, Del.]
- Glypta rufiscutellaris* Putman, Canad. Ent., 1935, 67: 107, 108. [host f i j k, Ont.]
- Glypta rufiscutellaris* Montgomery, Jour. Econ. Ent., 1935, 28: 371-376. [biol.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1936, 66: 15-16. [biol., host h, Ont.]
- Glypta rufiscutellaris* Schoene, Va. Fruit, 1936, 24: 115. [fig. biol., host h, Va.]
- Glypta rufiscutellaris* Rice, Trans. Peninsula Hort. Soc., 1936, 25: 89-94. [biol. host f, Del.]
- Glypta rufiscutellaris* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27. [host b f h, Ohio]
- Glypta rufiscutellaris* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 251. [fig. ♂ genitalia]
- Glypta rufiscutellaris* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Glypta rufiscutellaris* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 72. [biol., host h, Ont.]
- Glypta rufiscutellaris* Putman, Canad. Ent., 1938, 70: 89-90. [biol., host a d e f g l, Ont.]
- Glypta rufiscutellaris* Driggers, Proc. Ann. Meeting North Central States Ent., 1938, 17: 60. [biol., host h, N.J.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host h, Conn.]
- Glypta rufiscutellaris* Bobb, Jour. Econ. Ent., 1939, 32: 605-607. [host h, Va.]
- Glypta rufiscutellaris* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Glypta rufiscutellaris* Brunson, Jour. Econ. Ent., 1940, 33: 348. [host h, N.J.]
- Glypta rufiscutellaris* Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 12, 51. [biol., host f h, Ga., N.J., N.C., S.C., Va.]
- Glypta rufiscutellaris* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host h, Del.]*
- Glypta rufiscutellaris* Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10, 11. [host h, Mo.]

TORTRICIDAE: a, *Argyrotoxa semipurpurana*. OLETHREUTIDAE: b, *Ancylis comptana*; c, *Carpocapsa pomonella*; d, *Epiblema obfuscana*; e, *Epiblema scudderiana*; f, *Epiblema strenuana*; g, *Epinotia laraicana*?; h, *Grapholitha molesta*; i, *Grapholitha packardii*; j, *Grapholitha prunivora*; k, *Laspeyresia caryana*; l, *Melissopus latiferreanus*; m, *Proteoteras aesculana*. MISCELLANEOUS: n, lepidopterous leaf-tier on *Crataegus* sp.

PARASITES. CHALCIDIDAE: a, *Eupelmus* sp., b, *Eurytoma* sp.

Glypta rufofasciata Cresson

Glypta rufofasciata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Ill. (A.N.S.P.)]

Glypta rufofasciata Provancher, Nat. Canad., 1873, 5: 473. ♀. [key, des., Que.]

Glypta rufofasciata Provancher, Nat. Canad., 1880, 12: 68; (Faune, p. 471). ♂, ♀. [key, des.]

Glypta rufofasciata Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

Glypta rufofasciata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [N.Y.]

Glypta rufofaciata (!) Putman, Canad. Ent., 1935, 67: 108. [host *a*, Ont.]

TORTRICIDAE: *a*, *Amelia clemensiana*.

Glypta simplicipes Cresson

Glypta simplicipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 156. ♂, ♀. [key, o.d., Ill. (A.N.S.P.), Mass., N.Y.]

Glypta simplicipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 123. ♀. [des.]

Glypta simplicipes Weed, Psyche, 1888, 5: 52. [host *m*, Ohio]

Glypta simplicipes Riley and Howard, Insect Life, 1891, 3: 463. [host *d g j*, Ia., Mo., Tex.]

Glypta simplicipes Cook, Ann. Rpt. Mich. Agr. Exp. Sta., 1891, 4: 140. ♂, ♀. [des., host *d*]

Glypta aldrichii Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♂, ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

Glypta simplicipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

Glypta simplicipes Nason, Ent. News, 1905, 16: 172. [Ill.]

Glypta flavolineata Roman, Ent. Tidskr., 1910, 31: 162. [Ill., N.J.] Mis-determined.

Glypta simplicipes Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [des.]

Glypta simplicipes Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [host *c*, N.Y.]

Glypta simplicipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

Glypta simplicipes Champlain, Psyche, 1922, 29: 97. [host *n*, Pa.]

Glypta simplicipes Regan, Bull. Univ. Mont. Agr. Exp. Sta., 1923, 154: 52. [host *c*, Mont.]

Glypta (*Glypta*) *rosaceanae* Viereck, Canad. Ent., 1926, 58: 55. ♂, ♀. [o.d., Vernon, B.C. (C.N.C.)] New synonymy.

Glypta simplicipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a d e f j k*, N.Y.]

Glypta simplicipes Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

Glypta simplicipes Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

Glypta simplicipes Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

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- Glypta simplicipes* Knull, Jour. Econ. Ent., 1932, 25: 1201. [host *c*]
Glypta simplicipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *h i l*, Me., Mass., Vt.]
Glypta simplicipes Putman, Canad. Ent., 1935, 67: 106. [host *b*, Ont.]
Glypta simplicipes Knowlton and Allen, Jour. Econ. Ent., 1937, 30: 784. [host *d*, Ut.]
Glypta simplicipes Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

OLETHREUTIDAE: a, *Exartema footianum*; b, *Exartema inornatanum*. TORTRICIDAE: c, *Archips argyrospila*; d, *Archips rosaceana*; e, *Peronea minuta*; f, *Peronea minuta cinderella*; g, "Tortrix" leaf folder on *Ribes* sp. GEOMETRIDAE: h, *Ennomos subsignarius*. LASIOCAMPIDAE: i, *Malacosoma americanum*. NOTODONTIDAE: j, *Heterocampa bilineata*. PHALAENIDAE: k, *Zotheca tranquilla*. SATURNIIDAE: l, *Hemileuca lucina* or *maia*. MISCELLANEOUS: m, lepidopterous leaf roller on *Malus pumila*; n, leaf tier on *Azalea* sp.

***Glypta succineipennis* Viereck**

- Glypta succineipennis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 315. ♀.
[o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)]

***Glypta tricincta* Provancher**

- Glypta tricincta* Provancher, Nat. Canad., 1890, 19: 248. ♂, ♀. [o.d., Magdalen Is., Que. (M.P.Q.)]

***Glypta truncata* (Provancher)**

- Clistopyga truncata* Provancher, Nat. Canad., 1883, 14: 13; (Faune, p. 801). ♀. [o.d., Chicoutimi, Que. (M.P.Q.)]
Clistopyga truncata Davis, Ent. News, 1895, 6: 199. [key]
Glypta truncata Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]

***Glypta tuberculifrons* Cresson**

- Glypta tuberculifrons* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 152. ♂, ♀. [key, o.d., Ill. (A.N.S.P.)]
Glypta tuberculifrons Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]
Glypta tuberculifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 124. ♂, ♀. [des.]
Glypta tuberculifrons Provancher, Nat. Canad., 1880, 12: 66. [key, des.]
Glypta pedata Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [syn.] In part.

***Glypta varipes* Cresson**

- Glypta varipes* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]
Glypta varipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 151. [key]
Glypta varipes Riley and Howard, Insect Life, 1891, 3: 463. [host *e*, Mo., Tex.]
Glypta varipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]
Glypta varipes Slosson, Ent. News, 1902, 13: 5. [N.H.]
Glypta varipes Nason, Ent. News, 1905, 16: 172. [Ill.]

- Glypta varipes* Cushman, Jour. Agr. Res., 1927, 34: 618. [biol. host *d.*]
Glypta varipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
Glypta varipes Bourne and Whitcombe, Bull. Mass. Agr. Exp. Sta., 1927, 233: 63. [host *a*, Mass.]
Glypta varipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *c*, N.Y.]
Glypta varipes Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Glypta varipes Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *b*, Ont.]
Glypta varipes Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [host *b*, Ont.]
Glypta varipes Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
Glypta veripes (!) Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *b*, Ont.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*; *c*, *Grapholitha prunivora*; *d*, *Rhyacionia frustrana*. PHYCITIDAE: *e*, "*Phycita*" sp.

Glypta virginiensis Cresson

- Glypta virginiensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., W.Va. (A.N.S.P.)]

Glypta vulgaris Cresson

- Glypta vulgaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), Eastern and Middle States]
Glypta vulgaris Weed, Psyche, 1888, 5: 52. [host *i*, Ohio]
Glypta vulgaris Smith, Rpt. N.J. Geologist, 1890, 2: 31. [N.J.]
Glypta vulgaris Riley and Howard, Insect Life, 1891, 3: 464. [host *a h*, D.C.]
Glypta vulgaris Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 39. [Ohio]
Glypta vulgaris Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Glypta vulgaris Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 53. [biol., host *f*, N.Y.]
Glypta vulgaris Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [N.J.]
Glypta (*Conoblasta*) *vulgaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]
Glypta vulgaris Wood and Selkregg, Jour. Agr. Res., 1918, 13: 70. [host *e*]
Glypta vulgaris Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *c*, Pa.]
Glypta vulgaris Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *c*, Va.]
Glypta vulgaris Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *e*, Va.]
Glypta vulgaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *b c d e g*, N.Y.]
Glypta vulgaris Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

GELECHIIDAE: *a*, "*Gelechia*" sp.; *b*, *Trichotaphe juncidella*. TORTRICIDAE: *c*, *Argyrotaenia velutinana*. OLETHREUTIDAE: *d*, *Exartema punctanum*; *e*, *Grapholitha molesta*; *f*, *Polychrosis vileana*; *g*, *Zomaria interruptolineana*. PYRAUSTIDAE: *h*, *Diaphania quadristigmalis*; *i*, *Pyrausta subsequalis*.

Glypta xanthogastra Cameron

Glypta xanthogastra Cameron, Invertebrata Pacifica, 1903, 1: 128. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

Glypta xanthognatha Thomson

Glypta xanthognatha Thomson, Opusc. Ent., 1889, 1335. ♂, ♀. [o.d., host Skanör and Torekov, Sweden; Munich, Germany (?Lund Mus.)]

Glypta xanthognatha Roman, Ent. Tidskr., 1910, 31: 162. [N.J.]

Occurrence in the Nearctic Region needs confirmation.

Subfamily 5. LISSONOTINAE

Tribe 2. LISSONOTINI

AMERISIBIA Foerster

Amersibia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: (*Meniscus* (*Amersibia*) *variipes* Szépligeti) = *piceator* Thunberg.

Alloplasta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: (*Lissonota murina* Gravenhorst) = *piceator* Thunberg.

Amersibia bullata (Davis) new combination

Lampronota bullata Davis, Trans. Amer. Ent. Soc., 1895, 21: 30. ♀. [o.d., ?Seattle, Wash. (A.N.S.P.)]

Amersibia superba (Provancher) new combination

Meniscus superbus Provancher, Nat. Canad., 1874, 6: 30. ♀. [o.d., Que. (M.P.Q.)]

Meniscus superbus Provancher, Nat. Canad., 1880, 12: 78; (Faune, p. 482). [key, des.]

Meniscus superbus Davis, Canad. Ent., 1894, 26: 321. [key]

Meniscus superbus Slosson, Ent. News, 1895, 6: 5. [N.H.]

Lissonota superba Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

Meniscus superbus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key, fig., Conn.]

Meniscus superbus Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]

Meniscus superbus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

Meniscus superbus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

ARENETRA Holmgren

Lasiops Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 68. Preoccupied by Meigen, 1838.

Genotype: *Tryphon pilosella* Gravenhorst.

Arenetra Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 127. [new name for *Lasiops* Holmgren]

***Arenetra canadensis* Cresson**

Arenetra canadensis Cresson, Canad. Ent., 1868, 1: 36. ♂. [o.d., London, Ont. (A.N.S.P.)]

Arenetra canadensis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. [key]

Arenetra canadensis Nason, Ent. News, 1905, 16: 172. [Ill.]

Arenetra canadensis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

Arenetra canadensis Walley, Canad. Ent., 1931, 63: 170. [des.]

***Arenetra hirsutula* Walley**

Arenetra hirsutula Walley, Canad. Ent., 1931, 63: 169. ♂. [o.d., Saskatoon, Sask. (C.N.C.)]

***Arenetra leucotaenia* Viereck**

Arenetra leucotaenia Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]

***Arenetra nigrita* Cresson**

Arenetra nigrita Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), Canada]

Lampronota nigrita Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 122. ♂, ♀. [des.]

Arenetra nigrita Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 123. [syn.]

Arenetra nigrita Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 802). ♂, ♀. [des., Que.]

Arenetra nigrita Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Arenetra nigrita Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Arenetra nigrita Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 316. [key]

Arenetra nigrita Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Arenetra nigrita Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Arenetra nigrita Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]

Arenetra nigrita Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

Arenetra nigrita Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

***Arenetra occulta* Walley**

Arenetra occulta Walley, Canad. Ent., 1931, 63: 170. ♂. [o.d., Victoria, B.C. (C.N.C.)]

***Arenetra pallipes* Harrington**

Arenetra pallipes Harrington, Canad. Ent., 1894, 26: 250. ♂. [o.d., Victoria, B.C. (C.N.C.)]

Arenetra pallipes Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

***Arenetra rufipes* Cresson**

Arenetra rufipes Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♀. [key, o.d., Me. (A.N.S.P.)]

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Exetastes niger Provancher, Nat. Canad., 1874, 6: 78. [Que.] Misdetermined.

Arenetra rufipes Provancher, Nat. Canad., 1880, 12: 77; (Faune, p. 481). [key, syn., des.]

Arenetra rufipes Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Arenetra rufipes Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

***Arenetra ventralis* Cresson**

Arenetra ventralis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 160. ♂. [key, o.d., N.Y. (A.N.S.P.), Pa.]

Arenetra ventralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 316. [key]

Arenetra ventralis Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

***Arenetra vernalis* Walley**

Arenetra vernalis Walley, Canad. Ent., 1931, 63: 171. ♀. [o.d., Saskatoon, Sask. (C.N.C.) Ont., Que.]

LAMPRONOTA Curtis

Lampronota Curtis, Brit. Ent., 1832, 9: 407.

Genotype: *Ichneumon setosus* Fourcroy.

Meniscus Schiödte, Guerin's Mag. Zool., Ins., 1839, 9: 10.

Genotype: *Ichneumon setosus* Fourcroy. Designated by Holmgren, Svensk. Vet.-Akad. Forh., 1860, 2: 127.

Bothynophrys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166. New synonymy.

Genotype: *Ichneumon catenator* Panzer.

Bathycetes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Ichneumon catenator* Panzer.

Stilbopoides Rohwer, Proc. Ent. Soc. Wash. 1913, 15: 183. New synonymy.

Genotype: *Stilbopoides maculiventris* Rohwer.

***Lampronota bethunei* (Cresson) new combination**

Meniscus Bethunei Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Credit, Ont. (A.N.S.P.)]

Meniscus Bethunei Davis, Canad. Ent., 1894, 26: 321. [key]

Meniscus? Johnsonii Davis, Canad. Ent. 1894, 26: 323. ♀. [key, o.d., Jamesburg, N.J. (A.N.S.P.)] New synonymy.

Meniscus bethunei Brimley, Insects of N.C., 1938, p. 408. [N.C.]

***Lampronota coloradensis* Cresson**

Lampronota coloradensis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♀. [key, o.d., Colo. (A.N.S.P.)]

Lissonota coloradensis Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

Lissonota coloradensis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Lampronota maculiventris (Rohwer) new combination

Stilbopoides maculiventris Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 183. ♂, ♀.
[o.d., Missoula, Mont. (U.S.N.M.)]

Lampronota pleuralis Cresson

Lampronota pleuralis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♂, ♀.
[key, o.d., Pa. (A.N.S.P.), Canada, Del., Ill., Mass., N.Y., W.Va.]

Lampronota occidentalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♀.
[key, o.d., Pa. (A.N.S.P.)] New synonymy.

Lampronota insita Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♀. [key,
o.d., N.J. (A.N.S.P.)] New synonymy.

Lampronota pulchella Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♂.
[key, o.d., N.J. (A.N.S.P.)] New synonymy.

Lampronota pleuralis Provancher, Nat. Canad., 1873, 5: 475. [key, Que.]

Lampronota insita Provancher, Nat. Canad., 1875, 7: 313. [Que.]

Lampronota insita Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 475).
[key, des.]

Lampronota pleuralis Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476).
[syn., des.] In part.

Lampronota pleuralis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Lampronota pleuralis Riley and Howard, Insect Life, 1891, 3: 464. [host a,
Mo.]

Lampronota occidentalis Riley and Howard, Insect Life, 1891, 3: 464. [host b,
Calif., Tex.]

Lampronota pleuralis Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Lampronota pleuralis Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Lampronota occidentalis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629.
[N.Y.]

Lissonota cressoni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.
[key, new name for *Lampronota occidentalis* Cresson]

Lissonota (Alloplasta) insita Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 315. [key]

Lissonota (Alloplasta) pleuralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 315. [key]

Lissonota (Alloplasta) pulchella Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 315. [key]

Lissonota pleuralis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Lampronota pleuralis Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host a,
Mo.]

Lampronota pleuralis Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host a,
Pa.]

Lissonota accidentalis (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139.
[Me.]

Lissonota pleuralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Lissonota insita Brues, Psyche, 1927, 34: 80. [Mass.]

Lissonota (*Lissonota*) *cressonii* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota (*Lissonota*) *pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota pleuralis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

Lissonota pleuralis Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Lissonota cressoni Brimley, Insects of N.C., 1938, p. 408. [N.C.]

TORTRICIDAE: a, *Argyrotaenia velutinana*. MISCELLANEOUS: b, lepidopterous gall on *Baccharis pilularis*.

***Lampronota prionoxysti* (Rohwer) new combination**

Amersibia prionoxysti Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 224. ♂, ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

COSSIDAE: a, *Prionoxystus* sp.n *Castanea dentata*.

***Lampronota scutellaris* Cresson**

Lampronota scutellaris Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♀. [key, o.d., Ill. (A.N.S.P.), W.Va.]

Lampronota scutellaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 116. ♀. [des.]

Meniscus Crevieri Provancher, Nat. Canad., 1874, 6: 29. ♀. [o.d., Que. (M.P.Q.)]

Meniscus Crevieri Provancher, Nat. Canad., 1875, 7: 239. [Que.]

Meniscus scutellatus (!) Provancher, Nat. Canad., 1880, 12: 78; (Faune, p. 482). [key, syn., des.]

Meniscus scutellatus (!) Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Meniscus scutellaris Riley and Howard, Insect Life, 1891, 3: 464. [host b, Mo.]

Meniscus scutellaris Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Meniscus scutellaris Davis, Canad. Ent., 1894, 26: 321. [key]

Meniscus scutellaris Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Bythycetes (!) *scutellaris* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host a, Mass.]

Meniscus scutellaris Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Bathycetes scutellaris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

Bathycetes nidia Viereck, Trans. Amer. Ent. Soc., 1903, 29: 84. ♀. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Meniscus (*Bathycetes*) *scutellaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key]

Bathycetes scutellaris Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Meniscus scutellaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Bathycetes scutellaris Brown, Canad. Ent., 1934, 66: 262. [Ont.]

AEGERIIDAE: a, *Conopia tipuliformis*. GELECHIIDAE: b, *Filatima pseudoacaciella*.

Lampronota sesiahora (Rohwer) new combination

Stilbopoides sesiahora Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 184. ♂, ♀.
[o.d., host a, Winchester, Va. (U.S.N.M.)]

Stilbopoides sesiahora Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 7. [host b, N.J.]

Stilbopoides sesiahora Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.
[host b, N.Y.]

AEGERIIDAE: a, *Conopia pyri*. OLETHREUTIDAE: b, *Grapholitha molesta*.

Genus **ASYMMICTUS** Foerster

Asymmictus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: *Asymmictus iridescens* Davis.

Asymmictus iridescens Davis

Asymmictus iridescens Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂ (not ♀). [o.d., Nev. (A.N.S.P.)]

Genus **LISSONOTA** Gravenhorst

Lissonota Gravenhorst, Ichneum. Europeae, 1829, 3: 30.

Genotype: (*Lissonota sulphurifera* Gravenhorst) = *fundator* Thunberg.

Stilbonota Stephens, Illustr. Brit. Ent., 1835, 7: 126.

Genotype: (*Lissonota sulphurifera* Gravenhorst) = *fundator* Thunberg.

Asynida Gistel, Naturg. Thierr., 1848, p. IX. New name for *Lissonotus* (!) Gravenhorst.

Echthrodoxa Schmiedeknecht, Zool. Jahrb., Syst., 1900, 13: 301, 303, 307, 326, 328. New synonymy.

Genotype: *Lissonota conflagrata* Gravenhorst.

Lissonota brunnea Cresson

Lissonota brunnea Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

Lampronota brunnea Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

Lampronota brunnea Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 479).
[key, des.]

Lampronota brunnea Riley and Howard, Insect Life, 1891, 3: 464. [host a]

Nadia apalachia Viereck, Canad. Ent., 1902, 34: 68. ♂. [o.d., Conn. (A.N.S.P.)] New synonymy.

Lissonota (*Nadia*) *appalachia* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314. [key]

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Lissonota (Lissonota) brunnea Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota brunnea Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1930, 125: 160. [biol., host *c*, Ia.]

Lissonota brunnea Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1931, 143: 345. [biol., host *d*, Ia.]

Lissonota brunnea Decker, Ia. State Col. Jour. Sci. 1935, 9: 572. [biol., host *b c d e*, Ia.]

ACRIDIDAE: *a*, ?*Melanoplus mexicanus* var. *spretis*. PHALAENIDAE: *b*, *Achatodes zeae*; *c*, *Luperina stipata*; *d*, *Papaipema nebris*; *e*, *Papaipema cataphracta*.

***Lissonota bibrevicincta* (Davis) new combination**

Lampronota bibrevicincta Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♀. [o.d., Agricultural College, Mich. (A.N.S.P.)]

***Lissonota laevigata* (Cresson)**

Lampronota laevigata Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♀. [key, o.d., Canada (A.N.S.P.)]

Lampronota laevigata Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. ♀. [des., Que.]

Lissonota (Lissonota) laevigata Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Lissonota (Lissonota) laevigata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota laevigata Brown, Canad. Ent., 1934, 66: 262. [Ont.]

***Lissonota montana* (Cresson)**

Lampronota montana Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]

Exetastes consimilis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 278. ♂. [o.d., Colo. (A.N.S.P.)] New synonymy.

Echthrodoca clypearia Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. ♂. [o.d., Seldovia, Alaska (U.S.N.M.)] New synonymy.

Harrimaniella ariel Viereck, Trans. Amer. Ent. Soc., 1903, 29: 85. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Lampronota montana Nason, Ent. News, 1905, 16: 172. [Ill.]

Lissonota consimilis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. ♂. [syn.]

Lissonota montana Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Lissonota occidentalis* (Viereck) new combination**

Meniscus occidentalis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 83. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Lissonota ruficoxis Schmiedeknecht

Lissonota sulfurifera var. *ruficoxis* Schmiedeknecht, Zool. Jahrb., Abt. Syst. Geogr. Biol. Thiere, 1900, 13: 360. [o.d., Northern and Central Europe (?Blankenburg Mus.)]

Lissonota ruficoxis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. [des., Alaska]

Occurrence in the Nearctic Region needs confirmation.

Lissonota rufipes Cresson

Lissonota rufipes Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Grimsby, Ont. (A.N.S.P.)]

Lampronota tegularis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♂. [key, o.d., Pa. (A.N.S.P.), Canada, Del., Ill.]

Lampronota tegularis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 116. ♂. [des.]

Lampronota rufipes Provancher, Nat. Canad., 1873, 5: 476. [key, Que.]

Arenetra Quebecensis Provancher, Nat. Canad., 1875, 7: 141. ♂. [o.d., Que. (M.P.Q.)]

Lampronota tegularis Provancher, Nat. Canad., 1875, 7: 313. [Que.]

Lampronota rufipes Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 477). ♀. [key, des.]

Lampronota tegularis Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, syn., des.]

Lampronota rufipes Cresson, Synops. Hymen. N. Amer., 1887, p. 219. [syn.]

Lampronota rufipes Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Lampronota rufipes Riley and Howard, Insect Life, 1891, 3: 464. [host a, Calif., Mich., Mo., N.C., Tex., Va.]

Lampronota rufipes Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 41. [host b, Ohio]

Meniscus rufipes Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Lampronota provancheri Dalla Torre, Cat. Hymen., 1901, 3: 518. [new name for *Lampronota rufipes* Provancher (M.P.Q.)] New synonymy.

Lissonota (Alloplasta) tegularis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]

Lissonota rufipes Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Lissonota rufipes Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

Lissonota rufipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Lissonota (Lissonota) rufipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Lissonota rufipes Brimley, Insects of N.C., 1938, p. 408. [N.C.]

TORTRICIDAE: a, tortricid leaf roller on *Solidago* sp. PHALAENIDAE: b, *Oligia fractilinea*.

Lampronota varia Cresson

- Lampronota varia* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♂. [key, o.d., Canada (A.N.S.P.), Conn., Mass., W.Va.]
- Lampronota americana* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., Ill. (A.N.S.P.), Canada, W.Va.] New synonymy.
- Lampronota amphimelaena* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 117. ♂. [o.d., (?Ill.) (type destroyed)]
- Lampronota varia* var. *amphimelaena* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 117. [syn.]
- Lampronota americana* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 121. ♀. [des.]
- Lampronota varia* Provancher, Nat. Canad., 1873, 5: 476. [key, Que.]
- Lampronota Americana* Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]
- Lampronota varia* Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, des.]
- Lampronota Americana* Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 479). [key, des.]
- Lampronota Americana* Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 802). ♂. [des.]
- Lampronota americana* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Lampronota americana* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Lampronota puritana* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 450. ♀. [o.d., Boscowen; N.H. (U.S.N.M.)] New synonymy.
- Lampronota americana* Gillette, Insect Life, 1891, 3: 259. [host *b*, Ia.]
- Lampronota varia* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Lampronota americana* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Sampronota* (!) *Americana* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Lampronota americana* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Lampronota varia* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Lampronota americana* Howard, The Insect Book, 1902, plate 10, fig. 3.
- Hammaniella* (!) *relativa* Viereck, Canad. Ent., 1902, 34: 67. ♂. [des., Mass., N.J.]
- Lampronota americana* Nason, Ent. News, 1905, 16: 172. [Ill.]
- Lampronota varia* Nason, Ent. News, 1905, 16: 172. [Ill.]
- Lampronota amphimelaena* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]
- Lampronota relativa* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [syn.]
- Lampronota americana* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Lampronota varia* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Lissonota* (*Alloplasta*) *americana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]
- Lissonota* (*Alloplasta*) *varia* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key, Conn.]

- Lissonota* (*Harrimaniella*) *relativa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]
- Lissonota varia* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Lissonota americana* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Lissonota* (*Lissonota*) *americana* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Lissonota* (*Lissonota*) *varia* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Lissonota americana* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Lissonota varia* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Lissonota* (*Lissonota*) *americana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]
- Lissonota* (*Lissonota*) *varia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]
- Lissonota americana* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Lissonota varia* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Lissonota americana* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Lissonota americana* Crumb, Tech. Bull. U. S. Dept. Agr. 1929, 88: 41. [host *a*]
- Lissonota americana* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Lissonota varia* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Lissonota americana* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *c*, Vt.]
- Lissonota americana* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Lissonota varia* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Lissonota varia* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Lissonota varia* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

PHALAEINIDAE: *a*, *Crymodes devastator*; *b*, cutworm; *c*, phalaenid.

Lampronota gelida Cresson

- Lampronota gelida* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 377. ♂.
[o.d., Lake Lahache, B.C. (A.N.S.P.)]
- Lampronota vivida* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♂.
[o.d., Vancouver Is., B.C. (A.N.S.P.)] New synonymy.
- Lampronota Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀.
[o.d., Vancouver Is., B.C. (A.N.S.P.)] New synonymy.
- Coleocentrus rufus* Taylor, Canad. Ent., 1884, 16: 92. [B.C.] Misdetermined.
- Lampronota Edwardsii* Harrington, Canad. Ent., 1897, 29: 46. [syn.]
- Echthrodoxa gelida* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. [Alaska]
- Lissonota gelida* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

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PIMPLOPTERUS Ashmead

Ensimus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.
Preoccupied by Thomson, 1859.

Genotype: *Lissonota dubia* Holmgren.

Pimplopterus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. New synonymy.

Genotype: (*Pimplopterus alaskensis* Ashmead) = *frigidus* Cresson.

Pimplopterus acrobasis (Ashmead) new combination

Eusimus (!) *acrobasis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 212. ♂.
[o.d., host *a*, Paxton, Ohio (U.S.N.M.)]

Lissonota acrobasis Dalla Torre, Cat. Hymen, 1901, 3: 492. [syn.]

Ensimus (!) *acrobasis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,
3, no. 2: 101. [Mass.]

PHYCITIDAE: *a*, *Mineola indiginella*.

Pimplopterus aleutianus (Cresson) new combination

Mesoleius? *aleutianus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♂.
[o.d., Aleutian Is., Alaska (A.N.S.P.)]

Lampronota aleutianus Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Mesoleius aleutianus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. [des.]

Pimplopterus conocola (Rohwer) new combination

Lissonota conocola Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 222. ♂, ♀. [o.d.,
host *a*, Mineral King, Calif. (U.S.N.M.)]

MISCELLANEOUS: *a*, insect in cones of *Abies shastensis*.

Pimplopterus dakrumae (Ashmead) new combination

Meniscus dakrumae Riley and Howard, Insect Life, 1891, 3: 464. [host *b*, Calif.]
Nomen nudum.

Meniscus dakrumae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 212. ♀.
[o.d., host *c*, Alameda, Calif. (U.S.N.M.)]

Lissonota dioryctriae Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 221. ♀. [o.d.,
host *a*, Patrick's Creek, Calif. (U.S.N.M.)] New synonymy.

PHYCITIDAE: *a*, *Dioryctria xanthaenobares*; *b*, *Laetilia coccidivora?*; *c*, *Laetilia* sp.

Pimplopterus davis new name

Lampronota angusta Davis, Trans. Amer. Ent. Soc., 1891, 17: 30. ♀. [o.d.,
Agricultural College, Mich. (A.N.S.P.)] Preoccupied by the congeneric
Lissonota angusta Taschenburg, 1863.

Lissonota angusta Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

Lissonota (*Lissonota*) *angusta* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 933. [N.Y.]

Pimplopterus electra (Viereck) new combination

Lissonota electra Viereck, Trans. Amer. Ent. Soc., 1903, 29: 83. ♀. [o.d.,
Beulah, N.M. (A.N.S.P.)]

Pimplopterus evetrieae (Rohwer) new combination

Lissonota evetrieae Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 220. ♂, ♀. [o.d., host *a*, Cheyenne, Mountains, Colo. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Barbara colfaxiana taxifoliella*.

Pimplopterus exiguus (Cresson) new combination

Lampronota exigua Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., W.Va. (A.N.S.P.)]

Lampronota exigua Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Pimplopterus fenellus (Viereck) new combination

Lissonota fenella Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Harrimaniella minor Viereck, Trans. Amer. Ent. Soc., 1903, 29: 86. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

Pimplopterus frigidus (Cresson) new combination

Lissonota frigida Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Ont. (A.N.S.P.)]

Lampronota exilis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♂, ♀. [key, o.d., Canada (A.N.S.P.), Conn., Mass.] New synonymy.

Lampronota frigida Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 118. ♂. [des.]

Lampronota imitatrix Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 121. ♀. [o.d., (?Ill.) (type destroyed)] New synonymy.

Lampronota frigida Provancher, Nat. Canad., 1873, 5: 477. [key, des., Que.]

Lampronota exilis Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

Lampronota frigida Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, des.]

Lampronota exilis Provancher, Nat. Canad., 1880, 12: 77; (Faune, p. 480). [key, des.]

Lampronota frigida Lintner, Ann. Rpt. Noxious Insects N.Y., 1882, 1: 145. [fig., host *a*]

Lampronota frigida Provancher, Nat. Canad., 1887, 16: 24, 34. [Que.]

Lampronota frigida Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, Ind., N.Y.]

Lampronota frigida Riley and Marlatt, Insect Life, 1891, 3: 177. [host *b*]

Lampronota frigida Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pimplopterus alaskensis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. (♀). [o.d., (Kodiak, Alaska) (U.S.N.M.)] New synonymy.

Lissonota alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Pimplopterus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 198. ♀. [des., fig., Alaska]

Harrimaniella paeneimitatrix Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

- Lampronota exilis* Nason, Ent. News, 1905, 16: 172. [Ill.]
Harrimaniella paeneimitatrix Viereck, Trans. Kans. Acad. Sci., 1906, 32: 183. [Kans.]
Harrimaniella paeneimitatrix Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
Lissonota exilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314. [key]
Lissonota frigida Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key, Conn.]
Lissonota frigida Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
Lampronota frigida Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
Lissonota exilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
Lissonota frigida Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [host *c*, Me.]
Lissonota (*Lissonota*) *exilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]
Lissonota (*Lissonota*) *frigida* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [host *a*, N.Y.]
Lissonota frigida Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
Lissonota frigida Brown, Canad. Ent., 1934, 66: 262. [Ont.]
Lissonota frigida Brimley, Insects of N.C., 1938, p. 408. [N.C.]
Lampronota frigida Miller, Trans. Kans. Acad. Sci., 1940, 43: 271. [biol., host *a*, Kans.]
Lissonota alaskensis Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [des.]
Lissonota sakala Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [new name for *Lissonota alaskensis* Ashmead, 1902]

CRAMBIDAE: *a*, *Crambus vulgivagellus*. TENTHREDINIDAE: *b*, *Nematus marylandicus*; *c*, *Nematus* sp.

***Pimplopterus hilaris* (Cresson) new combination**

Lampronota hilaris Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♀. [o.d., Wilmington, Calif. (A.N.S.P.)]

***Pimplopterus inconstans* (Cushman) new combination**

Lissonota inconstans Cushman, Proc. Ent. Soc. Wash., 1940, 42: 157. ♂, ♀. [o.d., host *a*, Santa Barbara, Calif. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Melissopus latiferreanus*.

***Pimplopterus interpellatus* (Walsh) new combination**

Lampronota interpellata Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 118. ♂. [o.d. (type destroyed)]

Pimplopterus jacobii (Walley) new combination

Asphragis jacobii Walley, Canad. Ent., 1942, 74: 234. ♂, ♀. [o.d., Canim Lake, B.C. (C.N.C.)]

Pimplopterus macer (Cresson) new combination

Lampronota macra Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♂. [key, o.d., Del. (A.N.S.P.)]

Pimplopterus marginatus (Provancher) new combination

Lampronota marginata Provancher, Nat. Canad., 1873, 5: 474. ♀. [key, o.d., Que. (M.P.Q.)]

Lampronota marginata Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 476). [key, des.]

Lampronota marginata Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host a, Que.]

Lissonota marginata Hughes, Ent. News, 1934, 45: 121. [biol.]

GELECHIIDAE: a, *Trichotaphe levisella*.

Pimplopterus nigricornis (Provancher) new combination

Lampronota nigricornis Provancher, Nat. Canad., 1873, 5: 476. ♀. [key, o.d., Que. (M.P.Q.)]

Lampronota nigricornis Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 477). [key, des.]

Lampronota nigricornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. ♂. [des.]

Pimplopterus nigripes (Provancher) new combination

Lampronota nigripes Provancher, Addit. Faune Canada, Hymén., 1886, p. 118. ♀. [o.d., Ottawa, Ont. (type lost)]

Lissonota nigripes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Pimplopterus palloratus (Davis) new combination

Lampronota pallorana Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♀. [o.d., Philadelphia, Pa. (A.N.S.P.)]

Lissonota pallorana Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

Lissonota pallorana Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Pimplopterus parallelus (Gravenhorst) new combination

Lissonota parallela Gravenhorst, Ichneum. Europeae, 1829, 3: 79. ♂, ♀. [o.d., numerous localities in Germany (?Breslau Mus.)]

Lissonota parallela Eidmann, Arb. Morph. Tax. Ent., 1935, 2: 102. [Labrador]

Pimplopterus parvus (Cresson) new combination

Lampronota parva Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♀. [key, o.d., Del. (A.N.S.P.), Canada, W.Va.]

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- Lampronota parva* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]
Lampronota parva Provancher, Nat. Canad., 1873, 5: 475. ♂, ♀. [key, des., Que.]
Lampronota parva Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476). [key, des.]
Lampronota parva Riley and Howard, Insect Life, 1891, 3: 464. [host b, Mo.]
Lampronota parva Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
Meniscus parva Davis, Canad. Ent., 1894, 26: 321. [key]
Lampronota parva Slosson, Ent. News, 1895, 6: 317. [N.H.]
Lampronota parva Evans, Canad. Ent., 1896, 28: 11. [Ont.]
Lampronota parva Nason, Ent. News, 1905, 16: 172. [Ill.]
Lampronota parva Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Lissonota (*Lissonota*) *parva* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
Lissonota parva Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
Lissonota (*Lissonota*) *parva* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]
Lissonota parva Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
Lissonota parva Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 404. [host a, Me.]

MISCELLANEOUS: a, blackish-gray leaf roller on *Populus* sp.; b, lepidopterous leaf roller on *Rosa* sp.

***Pimplopterus penurius* (Davis) new combination**

- Aperileptus penuria* Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♂. [o.d., Canada (A.N.S.P.)]

***Pimplopterus punctulatus* (Cresson) new combination**

- Lampronota punctulata* (as *punctata* in key) Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♀. [key, o.d., Mass. (A.N.S.P.), Canada, Conn., W.Va.]
Lampronota scutellaris Provancher, Nat. Canad., 1873, 5: 474. [key, Que.]
 Misdetermined.
Lampronota albifacies Provancher, Nat. Canad., 1873, 5: 475. ♂. [key, o.d., Que. (M.P.Q.)]
Lampronota punctulata Provancher, Nat. Canad., 1873, 5: 476. ♂, ♀. [key, syn., des., Que.]
Bassus areolatus Provancher, Nat. Canad., 1874, 6: 31, 58. ♀. [key, o.d., Que. (type lost)]
Lampronota punctulata Provancher, Nat. Canad., 1880, 12: 71; (Faune, p. 475). [key, syn., des.]
Lampronota pleuralis Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476). [key, syn. (in part), des.]
Lampronota punctulata Provancher, Nat. Canad., 1889, 19: 248. [Que.]
Lampronota punctulata Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]
Lampronota punctulata Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Lampronota punctata Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [syn.]

In part.

Lampronota punctulata Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Lissonota punctulata Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.

[key]

Lissonota punctata Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

Lissonota punctata Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.

[Me.]

Lissonota (Lissonota) punctata Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota punctata Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Pimplopterus recurvariae (Cushman) new combination

Lissonota recurvariae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 552. ♂, ♀.

[o.d., host *a*, Bristol, Me. (U.S.N.M.)]

GELECHIIDAE: *a*, *Recurvaria piceaella*.

Pimplopterus rubricus (Cresson) new combination

Lampronota rubrica Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♀. [key, o.d., W.Va. (A.N.S.P.), Conn., Mass.]

Lampronota rubrica Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 122. ♀. [des.]

Lampronota humeralis Provancher, Nat. Canad., 1873, 5: 476. ♂ (not ♀).

[key, o.d., Que. (M.P.Q.)] New synonymy.

Lampronota rubrica Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

Lampronota rubrica Provancher, Nat. Canad., 1875, 7: 239. [Que.]

Lampronota humeralis Provancher, Nat. Canad., 1880, 12: 75; (Faune, p. 479).

[key, des.]

Lampronota rubrica Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 480).

[key, des.]

Lampronota humeralis Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 802).

♀. [des.]

Lampronota rubrica Smith, Rpt. N.J. Geologist, 1890, 2: 32. [N.J.]

Lampronota rubrica Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

Lissonota rubrica Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.

[key, Conn.]

Lissonota philipi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.

(♂). [key, o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Lissonota philipi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Lissonota rubrica Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

Lissonota (Lissonota) philipi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota (Lissonota) humeralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota (Lissonota) rubrica Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Lissonota rubrica Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

Pimplopterus segnis (Cresson) new combination

Lampronota segnis Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♂. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

Pimplopterus sexcinctus (Ashmead) new combination

Pimpla sexcincta Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. ♂. [o.d., Cusack Ranch, Colo. (U.S.N.M.)]

Pimplopterus tropicus (Davis) new combination

Aperileptus tropicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♂. [o.d., Southern Calif. (A.N.S.P.)]

Pimplopterus yakutatensis Ashmead

Pimplopterus yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. ♀. [o.d., Yakutat, Alaska (U.S.N.M.)]

TREVORIA Ashmead

Trevoria Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 50.

Genotype: *Trevoria yukatatensis* Ashmead.

Trevoria yukatatensis Ashmead

Trevoria yukatatensis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 50. (♂). [o.d., (Yakutat, Alaska) (U.S.N.M.)]

Trevoria yukatatensis (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 196. ♂. [des., fig., Alaska]

Trevoria yukatatensis (!) Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [syn. des.]

CRYPTOPIMPLA Taschenberg

Cryptopimpla Taschenberg, Ztschr. Gesammt. Naturw., 1863, 21: 249, 292.

Genotype: *Phytodietus blandus* Gravenhorst.

Aphanodon Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Phytodietus errabundus* Gravenhorst.

Sibiriakoffia Holmgren, Nov. Spec. Ins., 1880, p. 13.

Genotype: *Sibiriakoffia arctica* Holmgren.

Xenocornia Schmiedeknecht, Zool. Jahrb., Syst., 1900, 13: 301, 305, 308, 334.

New synonymy.

Genotype: *Xenocornia solitaria* Schmiedeknecht.

Harrimaniella Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. New synonymy.

Genotype: *Harrimaniella yukakensis* Ashmead.

Cryptopimpla jocosa (Cresson) new combination

Lampronota? jocosa Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♂. [key, o.d., Ill. (A.N.S.P.)]

Lampronota agilis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., Pa. (A.N.S.P.), N.Y.] New synonymy.

Lampronota jocosa Provancher, Nat. Canad., 1880, 12: 71; (Faune, p. 475). [key, des., Que.]

Lampronota agilis Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 480). [key, des.]

Lampronota jocosa Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 801). ♀. [des.] Evidently not *Lampronota jocosa* Cresson.

Mesoleptus angustus Provancher, Addit. Faune Canada, Hymén., 1886, p. 96. ♂, ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Tryphon fractus Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. ♂. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Polyblastus decoratus Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. ♂ (not ♀). [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Polyblastus inornatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 108. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Lampronota fractus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Lampronota? decoratus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Lampronota inornatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]

Lampronota jocosa Slosson, Ent. News, 1895, 6: 317. [N.H.]

Mesoleptus angustus Davis, Canad. Ent., 1895, 27: 289. [syn.]

Mesoleptus angustus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Lampronota fractus Nason, Ent. News, 1905, 16: 172. [Ill.]

Lissonota agilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]

Lissonota jocosa Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

Lissonota (*Lissonota*) *jocosa* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Meniscus agilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Lissonota (*Lissonota*) *jocosa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

Aphanodon agilis Walley, Canad. Ent., 1934, 66: 238. [syn.]

Cryptopimpla obscurella (Cresson) new combination

Phytodietus obscurellus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀. [o.d., Calif. (A.N.S.P.)]

Lissonota obscurella Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]

Aphanodon luctuosus Walley, Canad. Ent., 1934, 66: 237. ♂, ♀. [o.d., Mt. Lyall, Gaspé Co., Que. (C.N.C.)] New synonymy.

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Cryptopimpla yukakensis (Ashmead) new combination

Harrimaniella yukakensis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. (♂).
[o.d., (Kukak Bay, Alaska) (U.S.N.M.)]

Harrimaniella kukakensis (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 198.
♂. [des., fig., Kukak Bay, Alaska]

Lissonota kukakensis (!) Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287.
[syn.]

ASPHRAGIS Foerster

Asphragis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Lissonota occupator* Gravenhorst.

Asphragis michiganensis (Davis) new combination

Meniscus Michiganensis Davis, Canad. Ent., 1894, 26: 323. ♀. [key, o.d.,
Agricultural College, Mich. (location of type unknown)]

Syzeuctus michiganensis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.
[syn.]

Asphragis mirabilis (Cresson)

Meniscus mirabilis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♀. [o.d.,
Mass. (A.N.S.P.)]

Clistopyga pleuralis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 448. ♂. [o.d.,
host *a*, Kirkwood, Mo. (U.S.N.M.)]

Meniscus ostentator Davis, Canad. Ent., 1894, 26: 321. ♂, ♀. [key, o.d.,
Agricultural College, Mich. (A.N.S.P.)]

Meniscus mirabilis Davis, Canad. Ent., 1894, 26: 321. [key]

Clistopyga pleuralis Davis, Ent. News, 1895, 6: 199. [key]

Asphragis pulcherrimus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host
b, N.H.]

Asphragis pulcherrimus Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 170. ♂, ♀.
[o.d., host *c*, Canobie Lake, N.H. (U.S.N.M.)]

Lissonota pulcherrima Schmiedeknecht, Genera Insectorum, 1907, 62: 92.
[syn.]

Meniscus (Asphragis) mirabilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,
1917, 22: 313. [key]

Asphragis pleuralis Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]

Asphragis mirabilis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Lissonota (Asphragis) mirabilis Bradley, Bull. Lloyd Libr., 1926, 27: 169.
[N.Y.]

Asphragis mirabilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.
[Me.]

Lissonota (Asphragis) mirabilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 934. [N.Y.]

Lissonota (Asphragis) mirabilis Johnson, Pub. Nantucket Maria Mitchell Ass.,
1930, 3, no. 2: 101. [Mass.]

Meniscus mirabilis Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]
Lissonota mirabilis Brimley, Insects of N.C., 1938, p. 408. [N.C.]

GELECHIIDAE: a, ?*Recurvaria robiniella*. TORTRICIDAE: b, tortricid on *Myrica asplenifolia*; c, tortricid.

Asphragis subflavus (Davis) new combination

Meniscus subflavus Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂, ♀.
 [o.d., Tex. (A.N.S.P.)]

SYZEUCTUS Foerster

Diceratops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

New synonymy.

Genotype: *Pimpla bicornis* Gravenhorst.

Syzeuctus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Ichneumon maculatorius* Fabricius.

Syzeucta Thomson, Opusc. Ent., 1889, 13: 1415. New synonymy.

Genotype: (*Syzeucta maculatoria* Gravenhorst) = *Ichneumon maculatorius* Fabricius. By present designation.

?*Meyva* Cameron, Mem. Manchester Lit. Philos. Soc., 1899, 43: 191. New synonymy.

Genotype: *Meyva villosa* Cameron.

Ephialtina Szépligeti, Sjostedt's Kilimandjaro-Meru Exped., 1908, 8: 74.

Genotype: *Ephialtina apicalis* Szépligeti.

Syzeuctus comptus (Davis) new combination

Meniscus comptus Davis, Canad. Ent., 1894, 26: 322. ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

Syzeuctus elegans (Cresson)

Meniscus elegans Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♂, ♀. [o.d., W.Va. (A.N.S.P.), Md., Mo., N.Y.]

Meniscus elegans Provancher, Nat. Canad., 1880, 12: 79; (Faune, p. 482). [key, des., Que.]

Meniscus elegans Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Meniscus elegans Riley and Howard, Insect Life, 1891, 3: 464. [host a c, Ill., S.C.]

Meniscus elegans Davis, Canad. Ent., 1894, 26: 321. [key]

Meniscus slossonae Davis, Canad. Ent., 1894, 26: 322. ♀. [key o.d., top of Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

Meniscus elegans Slosson, Ent. News, 1894, 5: 4. [N.H.]

Meniscus elegans Slosson, Ent. News, 1895, 6: 5. [N.H.]

Meniscus elegans Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key, Conn.]

Meniscus elegans Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

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Syzeuctus elegans Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

Syzeuctus elegans Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

Syzeuctus elegans Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 404. [host *b*, Me.]

Syzeuctus elegans Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

TORTRICIDAE: *a*, tortricid on *Populus* sp. NOTODONTIDAE: *b*, *Ichthyura* sp. PHALAENIDAE: *c*, phalaenid.

***Syzeuctus epischniae* Cushman**

Syzeuctus epischniae Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 9.

♂, ♀. [o.d., host *a*, Crows Landing, Calif., (U.S.N.M.)]

PHYCITIDAE: *a*, *Epischnia granitella*.

***Syzeuctus eximius* Walley**

Syzeuctus eximius Walley, Canad. Ent., 1934, 66: 238. ♂, ♀. [o.d., Aweme, Man. (C.N.C.), Colo., Nev.]

***Syzeuctus sigmoidalis* Cushman**

Syzeuctus sigmoidalis Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 8. ♂,

♀. [o.d., Godbout, Que. (U.S.N.M.)]

Subfamily 5. LISSONOTINAE

Tribe 3. BANCHINI

EXETASTES Gravenhorst

Exetastes Gravenhorst, Ichneum. Europeae, 1829, 3: 395.

Genotype: *Ichneumon fornicator* Fabricius.

Leptobatus Gravenhorst, Ichneum. Europeae, 1829, 3: 432.

Genotype: *Leptobatus ziegleri* Gravenhorst.

Rhimphalea Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: (*Rhimphalea brevicorpa* Davis) = *bioculatus* Cresson.

Allexetastes Kokujev, Rev. Russ. Ent., 1904, 4: 106.

Genotype: *Exetastes* (*Allexetastes*) *komarovi* Kokujev.

?*Tegona* Morley, Fauna Brit. India, 1913, Hymen., 3: 251. New synonymy.

Genotype: *Tegona rufipes* Morley.

Pseudexetastes Meyer, Konowia, 1927, 6: 308.

Genotype: *Pseudexetastes diakonivi* Meyer.

Tetractenion Seyrig, Mém. Acad. Malagache, 1932, 11: 167. New synonymy.

Genotype: *Tetractenion acaule* Seyrig.

***Exetastes abdominalis* Cresson**

Exetastes abdominalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 276. ♀.

[o.d., Colo. (A.N.S.P.)]

Exetastes abdominalis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 283. ♀.
[key, des., fig., Colo.]

Exetastes affinis Cresson

Exetastes affinis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♀. [o.d., Colo.
(A.N.S.P.)]

Exetastes affinis Provancher, Nat. Canad., 1875, 7: 114. [des., Que.]

Exetastes affinis Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 385).
[key, des.] According to Cushman, 1937, Provancher's description does not
apply to this species.

Exetastes affinis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♀. [key,
des., fig., Colo., Mich., Ore.]

Exetastes albitarsis Provancher

Exetastes albitarsis Provancher, Nat. Canad., 1874, 6: 78. ♀. [o.d., Que.
(M.P.Q.)]

Exetastes albitarsis Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 385).
[key, des.]

Exetastes albitarsis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
932. [N.Y.]

Exetastes rugosus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 280. ♂, ♀.
[key, des., fig., Man., Mass., N.H., N.Y., Que., new name for *Exetastes*
albitarsis Provancher]

Exetastes alternatipes Cushman

Exetastes alternatipes Cushman, Proc. U. S. Nat. Mus., 1937, 84: 299. ♀.
[key, o.d., Bernadillo Co., N.M. (U.S.N.M.)]

Exetastes alticola Cushman

Exetastes alticola Cushman, Proc. U. S. Nat. Mus., 1937, 84: 284. ♂, ♀. [key,
o.d., 12,000 ft., Silverton, Colo. (U.S.N.M.), B.C.]

Exetastes angustoralis Cushman

Exetastes fascipennis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]
Misdetermined.

Exetastes fascipennis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 147. ♀.
[des.] Misdetermined.

Exetastes fascipennis Provancher, Addit. Faune Canada, Hymén., 1886, p. 92.
♀. [des., Ont.] Misdetermined.

Exetastes fascipennis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.J., N.Y.] Misdetermined.

Exetastes fascipennis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274.
[key] Misdetermined.

Exetastes fascipennis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
932. [N.Y.] Misdetermined.

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Exetastes fascipennis Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂ genitalia] Misdetermined.

Exetastes angustoralis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 291. ♂, ♀. [key, o.d., fig., Falls Church, Va. (U.S.N.M.), Conn., D.C., Ill., Kans., Md., Mass., Neb., N.J., N.Y., N.C., Ont., Pa., Que., S.D., Vt., Va., Wyo.]

Exetastes angustoralis Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Exetastes fascipennis Brimley, Insects of N.C., 1938, p. 408. [N.C.] Misdetermined.

***Exetastes angustus* Cushman**

Exetastes angustus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 290. ♀. [key, o.d., 5000-6000 ft., Norquay Mt. Meadows, Banff, Alta. (U.S.N.M.)]

***Exetastes anthracinus* Cushman**

Exetastes anthracinus Cushman, Proc. U.S. Nat. Mus., 1937, 84: 305. ♂, ♀. [key, o.d., Nantucket, Mass. (U.S.N.M.)]

***Exetastes bifenestratus* Cushman**

Ichneumon bifasciatus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte, Ed. 1: 377). ♀. [o.d., Ind. (type destroyed)] Preoccupied by Fourcroy, 1785.

Ichneumon bifasciatus Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 691). [des.]

Ichneumon bifasciatus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]

Exetastes bifasciatus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [des., D.C., Ga., Fla., Tex.]

Exetastes bifenestratus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 274. ♂, ♀. [key, des., fig., host *a* *b*, Ala., D.C., Ga., Fla., Mexico, Tex., new name for *Ichneumon bifasciatus* Say]

PHALAENIDAE: *a*, *Agrotis malefida*; *b*, *Agrotis* sp.

***Exetastes bioculatus* Cresson**

Exetastes bioculatus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Rhimphalea brevicorpa Davis, Trans. Amer. Ent. Soc., 1897, 24: 274. ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

Exetastes bioculatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 261. ♂, ♀. [key, syn., des., fig., D.C., Kans., Ky., Tex., Va.]

***Exetastes bituminosus* Cushman**

Exetastes rufofemoratus Riley and Howard, Insect Life, 1890, 3: 158. [host *a*, D.C.] Misdetermined.

Exetastes bituminosus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 300. ♂, ♀. [key, syn., o.d., fig., host *a*, Vienna, Va. (U.S.N.M.), Ill., Ind., Md., Mass., Mich., N.J., N.Y., Ohio, Pa., S.C.]

Exetastes bituminosus Brimley, Insects of N.C., 1938, p. 408. [N.C.]

PHALAENIDAE: a, *Abagrotis alternata*.

Exetastes brevicornis Cushman

Exetastes brevicornis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 273. ♂, ♀.
[key, o.d., Calgary, Alta. (U.S.N.M.)]

Exetastes buccatus Cushman

Exetastes buccatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 271. ♂, ♀.
[key, o.d., San Juan Valley, 25 miles N.E. of Paso Robles, Calif. (U.S.N.M.), Colo.]

Exetastes caeruleus Cresson

Exetastes caeruleus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 276. ♀. [o.d., Colo. (A.N.S.P.)]

Exetastes caeruleus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 284. ♂, ♀.
[key, des., Alaska, Colo.]

Exetastes caliginosus (Walley) new combination

Arenetra caliginosa Walley, Canad. Ent., 1931, 63: 168. ♂. [o.d., Dundurn, Sask. (C.N.C.)]

Exetastes callipterus Cushman

Exetastes callipterus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 277. ♀. [key, o.d., Douglas, Ariz. (U.S.N.M.)]

Exetastes carinatifrons Cushman

Exetastes carinatifrons Cushman, Proc. U. S. Nat. Mus., 1937, 84: 255. ♀.
[key, o.d., fig., Sabino, Ariz. (U.S.N.M.), N.M., Tex.]

Exetastes carinatus Cushman

Exetastes carinatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 258. ♀. [key, o.d., Dimmit Co., Tex. (U.S.N.M.)]

Exetastes coloradensis Cushman

Exetastes coloradensis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♀.
[key, o.d., Colo. (U.S.N.M.)]

Exetastes concavus Cushman

Exetastes concavus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 281. ♂, ♀.
[key, o.d., Grant, Park Co., Colo. (U.S.N.M.)]

Exetastes concoloripes Cushman

Exetastes concoloripes Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♂, ♀.
[key, o.d., Colo. (U.S.N.M.), Alta., Ore.]

Exetastes convergens Cushman

Exetastes convergens Cushman, Proc. U. S. Nat. Mus., 1937, 84: 291. ♀.
[key, o.d., Colo. (U.S.N.M.), Wyo.]

Exetastes corvinus Cushman

Exetastes corvinus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 303. ♀. [key,
o.d., Vya., Washoe Co., Nev. (Cornell Univ.)]

Exetastes crassisculptus Cushman

Exetastes crassisculptus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 278. ♂, ♀.
[key, o.d., fig., Vancouver, B.C. (U.S.N.M.), Alaska, Ore., Wash.]

Exetastes deuteromaurus Dalla Torre

Exetastes maurus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀. [o.d.,
Calif. (A.N.S.P.)] Preoccupied by Desvignes, 1856.

Exetastes deuteromaurus Dalla Torre, Cat. Hymen., 1901, 3: 71. [new name for
Exetastes maurus Cresson]

Exetastes deuteromaurus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 299. ♀.
[key, des.]

Exetastes dichrous Cushman

Exetastes dichrous Cushman, Proc. U. S. Nat. Mus., 1937, 84: 302. ♀. [key,
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Exetastes dilutipes Cushman

Exetastes dilutipes Cushman, Proc. U. S. Nat. Mus., 1937, 84: 285. ♂, ♀.
[key, o.d., fig., Banff, Alta. (U.S.N.M.), Wyo.]

Exetastes erythrogaster Cushman

Exetastes erythrogaster Cushman, Proc. U. S. Nat. Mus., 1937, 84: 297. ♂, ♀.
[key, o.d., Corvallis, Ore. (U.S.N.M.), B.C.]

Exetastes fascipennis Cresson

Exetastes flavitarsis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♂. [o.d.,
Colo. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.

Exetastes fascipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 278. ♀. [o.d.,
Colo. (A.N.S.P.)]

Exetastes cressonii Dalla Torre, Cat. Hymen., 1901, 3: 70. [new name for
Exetastes flavitarsis Cresson]

Exetastes fascipennis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 294. ♂, ♀.
[key, syn., des.]

Exetastes flavipennis Cresson

Exetastes flavipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 275. ♀. [o.d.,
Colo. (A.N.S.P.)]

Exetastes flavipennis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 303. ♀.
[key, des., Colo., Ida., Mexico]

Exetastes flavus Cushman

Exetastes flavus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 265. ♀. [key,
o.d., fig., Bernadillo Co., N.M. (U.S.N.M.), Colo.]

Exetastes geminus Cushman

Exetastes geminus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 306. ♀. [key,
o.d., Swannanoa, N.C. (U.S.N.M.), Ga., S.C.]

Exetastes geminus Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Exetastes igneipennis Cushman

Exetastes igneipennis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 270. ♂, ♀.
[key, o.d., fig., 8000 ft., south fork of Eagle Creek, White Mts., N.M.
(U.S.N.M.), Colo., Mexico]

Exetastes illinoiensis (Walsh)

Leptobatus illinoiensis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 148. ♀.
[o.d. (?Ill.) (type destroyed)]

Exetastes illinoiensis Cresson, Synops. Hymen. N. Amer., 1887, p. 206. [syn.]

Exetastes illinoiensis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 264. ♂, ♀.
[key, des., fig., host *a*, Colo., Mich.]

PHALAEINIDAE: *a*, cutworms.

Exetastes infumetricus Cushman

Exetastes infumetricus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 283. ♀.
[key, o.d., Rochester, Wash. (Univ. Kans.)]

Exetastes lasius Cushman

Exetastes lasius Cushman, Proc. U. S. Nat. Mus., 1937, 84: 258. ♂, ♀. [key,
o.d., fig., host *a*, Derby, Kans. (U.S.N.M.), Neb.]

PHALAEINIDAE: *a*, *Chorizagrotis auxiliaris*.

Exetastes matricus Provancher

Exetastes matricus Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 385).
♀. [key, o.d., Que. (M.P.Q.)]

Exetastes matricus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 101. [Mass.]

Exetastes matricus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 281. ♂, ♀.
[key, des., fig., Mass., Que.]

Exetastes matricus Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂
genitalia]

Exetastes matricus Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

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Exetastes nervulus var. **exploratus** Davis

Exetastes exploratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀.
[o.d., S.D. (A.N.S.P.), Mich.]

Exetastes nervulus var. *exploratus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, des., B.C., Ill., N.H., N.D., Wis.]

Exetastes nervulus var. **intermedius** Cushman

Exetastes nervulus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159.
[Me., Mass.] Misdetermined.

Exetastes nervulus var. *intermedius* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 310. ♂, ♀. [key, o.d., Southwest Harbor, Mt. Desert, Me. (U.S.N.M.), Conn., Mass., N.Y., Ont., Que., Vt.]

Exetastes nervulus var. **nervulus** (Say)

Banchus nervulus Say, Boston Jour. Nat. Hist., 1836, 1: 246; (Leconte Ed., 2: 700). [o.d., Ind. (type destroyed)]

Exetastes nervulus var. *nervulus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 310. ♂, ♀. [key, des., Conn., N.Y., N.C.]

Exetastes nervulus var. **niger** Cresson

Exetastes niger Cresson, Proc. Ent. Soc. Phila., 1865, 4: 275. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

Arenetra rufipes Dalla Torre, Cat. Hymen., 1901, 3: 513. [syn.] In part.

Exetastes niger Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 148. [des., Tex.]

Exetastes nervulus var. *niger* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, des., Alta., Colo., N.M., N.D., Wyo.]

Exetastes nervulus var. **rufofemoratus** Provancher

Exetastes rufofemoratus Provancher, Nat. Canad., 1877, 9: 14. (♀). [o.d., Que. (M.P.Q.)]

Exetastes rufofemoratus Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 380). ♀. [key, o.d., Que. (type presumably the same as 1877)]

Exetastes rufofemoratus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Exetastes rufofemoratus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 148. [N.B.]

Exetastes rufofemoratus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Exetastes nervulus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.] Misdetermined.

Exetastes rufofemoratus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Exetastes nervulus var. *rufofemoratus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, syn., des., Ill., Me., Mass., N.B., N.Y., N.S., Ont., Que., Vt.]

Exetastes nigribasis Cushman

Exetastes nigribasis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 289. ♂, ♀.
[key, o.d., Harney Peak, S.D. (U.S.N.M.), Alta.]

Exetastes obscurus Cresson

Exetastes decoloratus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 280. ♂. [o.d., Colo. (A.N.S.P.)]

Exetastes obscurus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 281. ♀. [o.d., Colo. (A.N.S.P.)]

Exetastes fascipennis Howard, The Insect Book, 1902, plate 10, fig. 7. Mis-determined.

Exetastes obscurus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 147. [des., U.S.]

Exetastes obscurus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Exetastes obscurus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 276. ♂, ♀.
[key, syn., des., fig., Man., Mass., Ohio, Ore., S.C.]

Exetastes ornatus Cushman

Exetastes ornatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 286. ♂, ♀.
[key, o.d., fig., Flint, Ohio (U.S.N.M.), Conn., N.J., Pa.]

Exetastes pallidus Cushman

Exetastes pallidus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 266. ♀. [key, o.d., Buffalo, S.D. (U.S.N.M.), Colo.]

Exetastes pectinatus Cushman

Exetastes pectinatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 272. ♀. [key, o.d., fig., Sugar Loaf, Colo. (U.S.N.M.), Alta., Mont., S.D.]

Exetastes persimilis Cushman

Exetastes persimilis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 306. ♂, ♀.
[key, o.d., fig., Boulder, Colo. (U.S.N.M.), Ariz., N.M., S.D.]

Exetastes pictus Cushman

Exetastes pictus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 260. ♀. [key, o.d., Devils River, Tex. (U.S.N.M.)]

Exetastes pilosus Cushman

Exetastes pilosus Cushman, Proc. U. S. Nat. Mus., 1940, 88: 364. ♂, ♀.
[o.d., Corvallis, Ore. (U.S.N.M.)]

Exetastes propinquus Cushman

Exetastes scutellaris Howard, The Insect Book, 1902, plate 9, fig. 17. Misdetermined.

Exetastes propinquus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.] Nomen nudum.

Exetastes propinquus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 267. ♂, ♀.
[key, o.d., fig., Washington, D.C. (U.S.N.M.), Fla., Md., N.J., N.C., Pa.,
Tenn., Tex., S.C., Va.]

Exetastes propinquus Brimley, Insects of N.C., 1938, p. 408. [N.C.]

***Exetastes ridens* Cushman**

Exetastes ridens Cushman, Proc. U. S. Nat. Mus., 1937, 84: 262. ♂, ♀.
[key, o.d., fig., Vernon, B.C. (U.S.N.M.), Ida., Ut., Wash.]

***Exetastes ruficoxalis* Cushman**

Exetastes ruficoxalis Cushman, Proc. U. S. Nat. Mus., 1937, 84: 294. ♂, ♀.
[key, o.d., fig., Colo. (U.S.N.M.), Alta., B.C., Ida., Ut., Wash.]

***Exetastes rufipes* Cresson**

Exetastes rufipes Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♀. [o.d., Colo.
(A.N.S.P.)]

Exetastes purpureus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 285. ♀. [key,
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Exetastes rufipes Cushman, Proc. U. S. Nat. Mus., 1937, 84: 286. ♂, ♀.
[key, des., Colo., Wash.]

Exetastes rufipes Cushman, Proc. U. S. Nat. Mus., 1940, 88: 364. [syn., des.,
Ore.]

***Exetastes rufobalteatus* Cushman**

Exetastes rufobalteatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 290. ♂, ♀.
[key, o.d., 4800 ft., Glacier Park Station, Mont. (U.S.N.M.), Alta., B.C.,
Ont., S.D.]

***Exetastes scutellaris* Cresson**

Exetastes scutellaris Cresson, Proc. Ent. Soc. Phila., 1865, 4: 279. ♂, ♀.
[o.d., Colo. (A.N.S.P.)]

Exetastes scutellaris Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]

Banchus caudatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 121.
♀. [o.d., Anaheim, Calif. (M.P.Q.)] New synonymy.

Exetastes caudatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Exetastes scutellaris Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[Pa.]

Exetastes scutellaris Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618.
[N.J., Pa.]

Exetastes scutellaris Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 147. [des.,
Tex.]

Exetastes scutellaris Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274.
[key]

Exetastes scutellaris Cushman, Proc. U. S. Nat. Mus., 1937, 84: 269. ♂, ♀.
[key, des., Alta., Colo., N.M., Ut.]

Exetastes caudatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 312. [des.]

Exetastes setpum Cushman

Exetastes septum Cushman, Proc. U. S. Nat. Mus., 1937, 84: 257. ♂, ♀. [key, o.d., fig., host *a b*, Los Angeles Co., Calif. (U.S.N.M.), Ore.]

OLETHREUTIDAE: *a*, ?*Carpocapsa pomonella*. PHALAEINIDAE: *b*, *Catabena lineolata*.

Exetastes suaveolens Walsh

Exetastes suaveolens Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 146. ♂, ♀. [o.d., (?Ill.) (type destroyed)]

Paniscus quebecensis Provancher, Nat. Canad., 1874, 6: 106. ♂, ♀. [key, o.d., Que. (type lost)]

Exetastes suaveolens Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 384). [key, syn., des.]

Exetastes suaveolens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Exetastes suaveolens Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

Exetastes suaveolens Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Exetastes suaveolens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274. [key]

Exetastes suaveolens Gahan, Proc. U. S. Nat. Mus., 1919, 55: 114. [syn.] In part.

Exetastes suaveolens Cushman, Proc. U. S. Nat. Mus., 1924, 64: 43. [syn.]

Exetastes suaveolens Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

Exetastes suaveolens Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Exetastes suaveolens Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

Exetastes suaveolens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

Exetastes suaveolens Cushman, Proc. U. S. Nat. Mus., 1937, 84: 307. ♂, ♀. [key, syn., des., fig., host *a*, Me., Man., Md., Mass., Mich., N.B., N.H., N.Y., Ohio, Ont., Pa., Que., Va.]

Exetastes suaveolens Townes, Lloydia, 1938, 1: 222. [syn.]

Exetastes suaveolens Brimley, Insects of N.C., 1938, p. 408. [N.C.]

PHALAEINIDAE: *a*, *Cucullia asteroides*.

Exetastes subimpressus Cushman

Exetastes subimpressus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 288. ♂, ♀. [key, o.d., 6300 ft., Beaver Creek, Mont. (Univ. Kans.), Alta.]

Exetastes zelotypus Cresson

Exetastes zelotypus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

Exetastes zelotypus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 296. ♂, ♀. [key, des., fig., Calif.]

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AGATHILLA Westwood

Agathilla Westwood, Tijdschr. Ent., 1882, 25: 23.

Genotype: *Agathilla fulvopicta* Westwood.

Agathobanchus of authors, not of the genotype.

Agathilla bradleyi (Viereck)

Agathobanchus aequatus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97. [key]
Misdetermined.

Agathobanchus aequatus Bradley, Ent. News, 1903, 14: 144. ♂, ♀. [des.,
fig., N.J.] Misdetermined.

Agathobanchus bradleyi Viereck, Trans. Kans. Acad. Sci., 1905, 19: 303. [des.,
Riverton, N.J. (Cornell Univ.), new name for *Agathobanchus aequatus* as
misdetermined by Bradley]

Agathobanchus (!) *aequatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p.
618. [N.J.]

Agathilla aequatus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 141. [syn.]

Agathilla bradleyi Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159.
[syn.]

CERATOGASTRA Ashmead

Ceratosoma Cresson, Proc. Ent. Soc. Phila., 1865, 4: 281. Preoccupied by
Adams and Reeve, 1850.

Genotype: (*Ceratosoma fasciata* Cresson) = *ornata* Say.

Ceratogastra Ashmead, Canad. Ent. 1900, 32: 368. New name for *Ceratosoma*
Cresson.

Ceratogastra apicalis (Cresson)

Ceratosoma apicalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 282. ♂, ♀. [o.d.,
Colo. (A.N.S.P.)]

Ceratosoma apicalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 102. ♂, ♀.
[des.]

Ceratogaster (!) *apicalis* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]

Ceratosoma apicalis Howard, The Insect Book, 1902, plate 10, fig. 22.

Ceratosoma apicalis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Ceratogastra apicalis Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.
[key]

Ceratogastra ornata (Say)

Agathis ornata Say, Boston Jour. Nat. Hist., 1836, 1: 226; (Leconte Ed., 2: 684).
♂. [o.d., Ind. (type destroyed)]

Ceratosoma fasciata Cresson, Proc. Ent. Soc. Phila., 1865, 4: 283. ♀. [o.d.,
Del. (A.N.S.P.), Eastern and Middle States]

- Ceratosoma fasciata* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 103. ♂, ♀.
[des.]
- Ceratosoma fasciata* Ashmead, Ann. Rpt. N.J. Bd. Agr. 1900, 27, suppl.: 583.
[N.Y.]
- Ceratogaster* (!) *fasciata* Dalla Torre, Cat. Hymen., 1901, p. 62. [syn.]
- Ceratosoma fasciata* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Ceratogastra fasciata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618.
[N.J.]
- Ceratogaster* (!) *apicalis* var. *fasciatus* Morley, Rev. Ichneum. Brit. Mus., 1915,
4: 142. [key, syn., des., N.Y.]
- Ceratogastra fasciata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273.
[des., Conn.]
- Ceratogastra ornata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.
[syn.] In part.
- Ceratogastra ornata* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.
[key]
- Ceratogastra ornata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
959. [N.Y.]
- Ceratogastra ornata* Brimley, Insects of N.C., 1938, p. 417. [N.C.]
- Ceratogastra ornata* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,
1939, 16: 61. [Ut.]

***Ceratogastra polita* (Say)**

- Agathis polita* Say, Boston Jour. Nat. Hist., 1836, 1: 225; (Leconte Ed., 2: 684).
♂, ♀. [Ind. (type destroyed)]
- Ceratogastra polita* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.
[des.]
- Ceratogastra polita* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.
[key]

***Ceratogastra rubyata* (Davis)**

- Ceratosoma rubyata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♀. [o.d.,
Northern Ill. (A.N.S.P.)]
- Ceratogaster* (!) *rubyata* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]
- Ceratosoma rubyata* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Ceratogaster* (!) *rubyatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 142.
[key]
- Ceratogastra ornata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.
[syn.] In part.

***Ceratogastra trifasciata* Cushman**

- Ceratogastra trifasciata* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.
♀. [key, o.d., Forest Hills, Mass. (U.S.N.M.)]

BANCHUS Fabricius

Banchus Fabricius Ent. Syst., 1798, suppl., p. 209, 233.

Genotype: *Banchus pictus* Fabricius.

Corynephanus Wesmael, Bull. Soc. Roy. Belg., 1849, 16, pt. 1: 631.

Genotype: *Banchus monileatus* Gravenhorst.

Cidaphurus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Banchus* (*Cidaphurus*) *volutatorius* Linnaeus.

Nawaia Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 184.

Genotype: *Nawaia japonica* Ashmead.

Banchus alticolus (Ashmead) new combination

Cidaphurus alticola Ashmead, Psyche, 1901, 9: 148. ♂. [o.d., Las Vegas

Range between Pecos and Sapello rivers, 11000 ft., N.M. (U.S.N.M.)]

Banchus borealis Cresson

Banchus borealis Cresson, Canad. Ent., 1868, 1: 33. ♀ (not ♂). [o.d., Ont. (A.N.S.P.)]

Banchus borealis Provancher, Nat. Canad., 1874, 6: 61. [key, des., Que.]

Banchus borealis Provancher, Nat. Canad., 1879, 11: 216; (Faune, p. 389).

♂, ♀. [key, des.]

Banchus borealis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Banchus borealis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Banchus borealis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus canadensis Cresson

Banchus canadensis Cresson, Canad. Ent., 1868, 1: 34. ♂, ♀. [o.d., Ont. (A.N.S.P.)]

Banchus canadensis Provancher, Nat. Canad., 1874, 6: 62. [key, Que.]

Banchus canadensis Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). [key; des.]

Banchus canadensis Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Banchus canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus canadensis Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Banchus cressonii (Viereck)

Cidaphurus cressonii Viereck, Canad. Ent., 1902, 34: 69. ♀. [o.d., Mass. (A.N.S.P.)]

Banchus (!) *cressonii* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

Banchus cressoni Brimley, Insects of N.C., 1938, p. 416. [N.C.]

Banchus flavescens Cresson

Banchus flavescens Cresson, Canad. Ent., 1868, 1: 33. ♂. [o.d., Ottawa, Ont. (A.N.S.P.)]

Banchus flavescens Provancher, Nat. Canad., 1874, 6: 62. [key, Que.]

Banchus ferrugineus Provancher, Nat. Canad., 1877, 9: 14. (♀). [o.d., Que. (M.P.Q.)] New synonymy.

Banchus flavescens Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). [key, des.]

Banchus ferrugineus Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). ♀ (not ♂). [key, des.]

Banchus flavescens Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Banchus ferrugator Morley, Ent., 1910, 43: 243. [syn., (in part?) notes on type]

Banchus flavescens Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Canada]

Banchus ferrugineus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus flavescens Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Banchus flavescens Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host a, Me.]

Banchus flavescens Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

PHALAEINIDAE: a, *Barathra curialis*.

Banchus inermis Provancher

?*Ichneumon ferrugator* Kirby, in Richardson: Fauna Boreali Americana, 1837, 4: 258. (♀). [o.d., North America (British Mus.)] Preoccupied by Swederus, 1787. New synonymy.

Banchus flavovariegatus Provancher, Nat. Canad., 1874, 6: 61. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Banchus inermis Provancher, Nat. Canad., 1874, 6: 62. ♀. [key, o.d., Que. (M.P.Q.)]

?*Ichneumon ferrugator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

Banchus flavovariegatus Provancher, Nat. Canad., 1879, 11: 215; (Faune, p. 388). ♂, ♀. [key, des.]

Banchus inermis Provancher, Nat. Canad., 1879, 11: 216; (Faune, p. 389). [key, des.]

Banchus inermis Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Banchus polychromus Provancher, Addit. Faune Canada, Hymén., 1888, p. 366. ♂ (not ♀). [o.d., Vancouver Is., B.C. (M.P.Q.)] New synonymy.

Banchus inermis Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Banchus flavovariegatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Banchus superbus Harrington, Canad. Ent., 1897, 29: 45. [syn., B.C.] In part.

Banchus inermis Ashmead, Ann. Rpt. N.J. Bd. Agr. 1900, 27, suppl.: 583. [N.Y.]

?*Banchus ferrugator* Morley, Ent., 1910, 43: 243. [syn. (in part), notes on type]

Banchus flavovariegatus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [des., Hudson's Bay, N.S.]

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Banchus flavovariegatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus inermis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus inermis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Banchus flavovariegatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host a, Me.]

PHALAEINIDAE: a, *Polia legitima*.

***Banchus monileatus* Gravenhorst**

Banchus monileatus Gravenhorst, Ichneum. Europeae, 1829, 3: 393. ♂, ♀. [o.d., "circa Warmbrunn, circa Vratislaviam, et prope Barterodam" (Europe) (?Breslau Mus.)]

Banchus formidabilis Provancher, Nat. Canad., 1874, 6: 61. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Banchus formidabilis Provancher, Nat. Canad., 1879, 11: 215; (Faune, p. 388). [key, des.]

Banchus (Corynephanus) groenlandicus Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 30. ♂, ♀. [o.d., fig., Auleitsvik, Igalikofjorden, and Julianehaab, Greenland (?Stockholm Mus.)]

Banchus monileatus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 240. [syn., des., Greenland]

Corynephanes (!) groenlandicus Roman, Ent. Tidskr., 1910, 31: 153. [des.]

Banchus monileatus Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

Banchus (!) monileatus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 285. [syn., des., Greenland]

Banchus monileatus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Europe, Greenland]

***Banchus nigrolineatus* (Cameron) new combination**

Cidaphurus nigrolineatus Cameron, Invertebrata Pacifica, 1903, 1: 129. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

***Banchus pallescens* Provancher**

Banchus pallescens Provancher, Nat. Canad., 1874, 6: 62. ♀. [key, o.d., Que. (M.P.Q.)]

Banchus insignis Provancher, Nat. Canad., 1874, 6: 63. ♂. [key, o.d., Que. (M.P.Q.)]

Banchus pallescens Provancher, Nat. Canad., 1879, 11: 218; (Faune, p. 391). ♂. [key, syn., des.]

Cidaphurus pallescens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]

Corynephanes (!) tarsalis Slosson, Ent. News., 1902, 13: 321. [N.H.] Nomen nudum.

Branchus (!) *pallescent* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

Banchus pallescens Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 8. [syn.]

Banchus pallescens Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Banchus pallescens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Banchus pallescens Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Banchus pallescens Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

***Banchus spinosus* Cresson**

Banchus spinosus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 274. ♂. [o.d., Colo. (A.N.S.P.)]

Banchus spinosus Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]

Banchus spinosus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Rocky Mts.]

***Banchus superbus* Cresson**

Banchus superbus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 273. ♂. [o.d., Colo. (A.N.S.P.)]

Banchus superbus Harrington, Canad. Ent., 1897, 29: 45. [syn., B.C.] In part.

Banchus superbus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Banchus superbus Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Ga.]

Banchus superbus Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 418. [Me.]

***Banchus tricolor* Cameron**

Banchus tricolor Cameron, Invertebrata Pacifica, 1903, 1: 130. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

MEMOIRS
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NUMBER 11—PART II

A CATALOGUE
AND RECLASSIFICATION
OF THE
NEARCTIC ICHNEUMONIDAE
(HYMENOPTERA)

BY

HENRY K. TOWNES, JR.

Part II. The Subfamilies Mesoleiinae, Plectiscinae,
Orthocentrinae, Diplazoninae, Metopiinae,
Ophioninae, Mesochorinae



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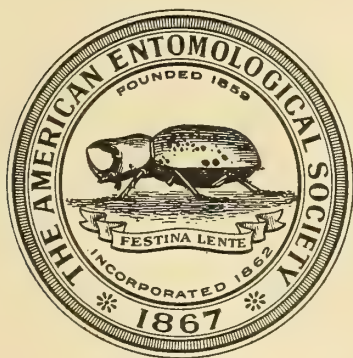
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Subfamily 6. MESOLEIINAE

Tribe 1. SCOLOBATINI

SCOLOBATES Gravenhorst

Scolobates Gravenhorst, Ichneum. Europeae, 1829, 2: 357.

Genotype: (*Scolobates crassitarsus* Gravenhorst) = *auriculatus* Fabricius.
Aglyphus Giraud, Ann. Soc. Ent. France, 1872, (5), 1: 411.

Genotype: (*Aglyphus nigripennis* Giraud) = *auriculatus* Fabricius.

***Scolobates auriculatus* (Fabricius)**

Ichneumon auriculatus Fabricius, Syst. Piez., 1804, p. 69. [o.d., Austria (location of type unknown)]

Scolobates crassitarsus Gravenhorst, Ichneum. Europeae, 1829, 2: 360. ♂, ♀.
[o.d., Germany, Italy (?Breslau Mus.)]

Scolobates auriculatus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 154. ♂, ♀. [des., Sweden]

Prionopoda canadensis Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)]

Scolobates crassitarsus Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♀.
[syn., des., N.H., Ont., Pa., Tex.]

Scolobates crassitarsus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.Y.]

Scolobates crassitarsus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297.
♀. [des.]

Subfamily 6. MESOLEIINAE

Tribe 2. EUCERATINI

EUCEROS Gravenhorst

Euceros Gravenhorst, Ichneum. Europeae, 1829, 3: 368.

Genotype: *Euceros crassicornis* Gravenhorst.

Eumesius Westwood, Introd. Mod. Class. Insects, 1840, 2: 153. New name for
Euceros Gravenhorst.

Omiloceros Giraud, Verh. Zool. Bot. Ver. Wien, 1857, 7, abh.: 163. New name
for *Euceros* Gravenhorst.

***Euceros albomarginatus* Cushman**

Scorpiorus (!) *albomarginatus* Slosson, Ent. News, 1902, 13: 320. [N.H.]
Nomen nudum.

Euceros albomarginatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 12.
♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Euceros angulicornis Walley

Euceros angulicornis Walley, Canad. Ent., 1932, 64: 246. ♂, ♀. [o.d., B.C. (C.N.C.)]

Euceros canadensis Cresson

Euceros canadensis Cresson, Canad. Ent., 1869, 1: 103. ♀. [key, o.d., Grimsby, Ont. (A.N.S.P.)]

Euceros Canadensis Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 425). ♂. [key, des., Que.]

Euceros canadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 254. ♂, ♀. [key, des., Canada, Mich., N.Y.]

Eumesius canadensis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [N.Y.]

Euceros canadensis Slosson, Ent. News, 1902, 13: 320. [N.H.]

Euceros canadensis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]

Euceros canadensis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros canadensis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Euceros digitalis Walley

Euceros digitalis Walley, Canad. Ent., 1932, 64: 242. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

Euceros faciens Davis

Euceros faciens Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, o.d., Wash. (A.N.S.P.)]

Euceros fasciens (!) Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

Euceros flavescens Cresson

Euceros flavescens Cresson, Canad. Ent., 1869, 1: 105. ♂, ♀. [o.d., Conn. (A.N.S.P.), W.Va.]

Euceros flavescens Davis, Trans. Amer. Ent. Soc., 1897, 25: 257. ♂, ♀. [key, des., Conn., Ill., Va., W.Va.]

Eumesius flavescens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [Pa.]

Euceros flavescens Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros flavescens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key, Conn.]

Euceros flavescens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

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Euceros frigidus Cresson

Euceros frigidus Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Me. (A.N.S.P.)]

Euceros frigidus Provancher, Nat. Canad., 1874, 6: 30. [Que.]

Euceros frigidus Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 426).
[key, des., Que.]

Euceros frigidus Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key,
des., Canada, Me., N.H.]

Euceros frigidus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros frigidus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5, 10. [host
a b, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*. DIPRIONIDAE: b, *Neodiprion abietis*.

Euceros medialis Cresson

Euceros medialis Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Mass.
(A.N.S.P.)]

Euceros medialis Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 427).
[key, des., Que.]

Euceros medialis Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♀. [key, des.,
Canada, Ida., Ill., Mass., N.H., N.Y., Pa.]

Euceros medialis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Eumesius medialis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577.
[N.Y., Pa.]

Euceros medialis Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros medialis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.
[key]

Euceros medialis Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros medialis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Euceros medialis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros medialis Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Euceros neodiprioni Walley

Euceros neodiprioni Walley, Canad. Ent., 1932, 64: 245. ♂, ♀. [o.d., host a,
Laniel, Que. (C.N.C.)]

DIPRIONIDAE: a, *Neodiprion* sp. on *Pinus banksiana*.

Euceros obesus Davis

Euceros obesa Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♀. [key, o.d.,
Ill. (A.N.S.P.)]

Euceros obesus Dalla Torre, Cat. Hymen., 1901, 3: 327. [syn.]

Euceros obesa Nason, Ent. News, 1905, 16: 170. [Ill.]

Euceros sanguineus Davis

Euceros sanguineus Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.)]

Euceros thoracicus Cresson

Euceros Couperii Cresson, Canad. Ent., 1869, 1: 104. ♂. [key, o.d., Ottawa, Ont. (A.N.S.P.)] New synonymy.

Euceros thoracicus Cresson, Canad. Ent., 1869, 1: 105. ♂. [o.d., Conn. (A.N.S.P.)]

Euceros Couperii Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 426).
[key, des., Que.]

Euceros Couperii Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Euceros couperii Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key, des., Canada, N.H.]

Euceros thoracicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, des., Conn., Ont.]

Scopiorus flavopictus Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Euceros vierecki Hertzog, Ent. News, 1909, 20: 245. ♀. (not ♂). [key, o.d., fig., Harrisburg, Pa. (type lost)] New synonymy.

Euceros couperii Gibson, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 121. [Man.]

Euceros couperi Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. [syn.]

Euceros cooperi (!) Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros thoracicus Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Euceros couperii Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Euceros couperi Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros thoracicus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.
[N.Y.]

Euceros decorus Walley, Canad. Ent., 1932, 64: 244. ♂, ♀. [o.d., host *d e*, Aweme, Man. (C.N.C.)] New synonymy.

Euceros couperii Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9, 10, 12.
[host *a b c*, Canada]

GEOMETRIDAE: a, *Caripeta divisata*; b, *Hydriomena divisaria*; c, *Semiothisa granitata*.
DIPRIONIDAE: d, *Neodiprion* sp. TENTHREDINIDAE: e, *Pristiphora erichsoni*.

Subfamily 6. MESOLEIINAE

Tribe 3. PIONINI

TREMATOPYGUS Holmgren

Trematopygus Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 179.

Genotype: *Trematopygus ruficornis* Holmgren.

Epachthes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205.

Genotype: *Ichneumon erythropalpus* Gmelin.

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Epachtus Thomson, Opusc. Ent., 1894, 19: 1999.

Genotype: *Ichneumon erythropalpus* Gmelin.

Lethades Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 204. New synonymy.

Genotype: *Adelognathus texanus* Ashmead.

Volucris Davis, Trans. Amer. Ent. Soc., 1897, 24: 267; 1898, 24: 287.

Genotype: *Tryphon semirufus* Cresson.

***Trematopygus kukakensis* Ashmead**

Trematopygus kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♀.
[o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Trematopygus semirufus* (Cresson)**

Tryphon semirufus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 278. ♀. [o.d., Ill.
(A.N.S.P.)]

Tryphon rufocinctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 280. ♀. [o.d.,
Ill. (A.N.S.P.)]

Tryphon rufocinctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 103.
♀. [key, des., Ont.]

Tryphon tuberculifer Provancher, Addit. Faune Canada, Hymén., 1886, p. 103.
♀. [key, o.d., Bécancour, Que. (M.P.Q.).] New synonymy.

Volucris semirufus Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [syn.,
des., Colo., Ill., Mont., Ore.]

Tryphon tuberculifera (!) Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Trematopygus semirufus Roman, Naturw. Unters. Sarekgebirges Swedisch-
Lapland, 1909, 4: 301. [syn.]

Trematopygus semirufus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 945. [N.Y.]

Trematopygus semirufus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.
[Alta.]

Trematopygus semirufus Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.
[Ia.]

***Trematopygus texanus* (Ashmead) new combination**

Adelognathus texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀.
[o.d., Tex. (U.S.N.M.)]

Lethades texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀. [des.]

OOCENTETER Cushman

Oocenteter Cushman, Jour. Wash. Acad. Sci., 1935, 25: 555.

Genotype: *Oocenteter tomostethi* Cushman.

Oocenteter tomostethi Cushman

Oocenteter tomostethi Cushman, Jour. Wash. Acad. Sci., 1935, 25: 556. ♂, ♀.
[o.d., fig., host *a*, Riverdale, Md. (U.S.N.M.)]

Oocenteter tomostethi McConnell, Proc. Ent. Soc. Wash., 1938, 40: 23. [biol., host *a*, Md.]

TENTHREDINIDAE: *a*, *Tomostethus multicinctus*.

RHORUS FoersterSubgenus **Rhorus** Foerster

Rhorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Tryphon mesoxanthus* Gravenhorst.

Dolichoblastus Strobl, Mitt. Naturw. Ver. Steiermark, 1903, 39: 52. New synonymy.

Genotype: *Monoblastus (Dolichoblastus) flavopictus* Strobl.

Rhorus (Rhorus) clapini (Provancher) new combination

Tryphon Clapini Provancher, Nat. Canad., 1876, 8: 327. ♂ (not ♀). [o.d., St. Hyacinthe, Que. (M.P.Q.)]

Tryphon Clapini Provancher, Nat. Canad., 1879, 11: 256; (Faune, p. 414). [key, des.]

Tryphon Clapini Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon clapini Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Subgenus **Cyphanza** Cameron

Monoblastus of authors, not of Hartig.

Cyphanza Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 723.

Genotype: *Cyphanza nigra* Cameron.

Rhorus (Cyphanza) borealis (Ashmead) new combination

Phthorina (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂.
[o.d., Popof Is., Alaska (U.S.N.M.)]

Gastroporus? *borealis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. [syn.]

Rhorus (Cyphanza) caliroae (Viereck) new combination

Monoblastus caliroae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 151. ♂, ♀.
[o.d., host *a*, Vienna, Va. (U.S.N.M.)]

Trematopygus caliroae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. [des., Pa.]

TENTHREDINIDAE: *a*, *Caliroa cerasi*.

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Rhorus (Cyphanza) dufresnei (Provancher) new combination

Tryphon Dufresnei Provancher, Nat. Canad., 1875, 7: 309, 311. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Dufresnei Provancher, Nat. Canad., 1879, 11: 253; (Faune, p. 411). [key, syn., des.]

Tryphon Dufresnei Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Tryphon dufresnei Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Monoblastus varifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀. [key, syn., des. (in part), Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H.]

Mesoleius dufresnei Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Monoblastus dufresnei Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Rhorus (Cyphanza) fuscus (Davis) new combination

Trematopygus fuscus Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂. [key, o.d., Mich. (A.N.S.P.)]

Rhorus (Cyphanza) hervieuxii (Provancher) new combination

Tryphon Hervieuxii Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). ♀. [key, o.d., Que. (M.P.Q.)]

Tryphon Hervieuxii Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

Tryphon hervieuxii Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Rhorus (Cyphanza) niger (Ashmead) new combination

Monoblastus niger Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 213. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Rhorus (Cyphanza) nigratus (Dalla Torre) new combination

Mesoleius niger Provancher, Nat. Canad., 1883, 14: 9; (Faune, p. 796). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1855.

Mesoleius niger Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Mesoleius niger Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesoleius nigratus Dalla Torre, Cat. Hymen., 1901, 2: 263. New name for *Mesoleius niger* Provancher.

Trematopygus eriocampoididis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. ♂, ♀. [o.d., host a, North East, Pa. (U.S.N.M.)] New synonymy.

Monoblastus eriocampoididis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

TENTHREDINIDAE: a, *Caliroa cerasi*.

Rhorus (Cyphanza) obscurellus (Cresson) new combination

Erromenus obscurellus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♀.
[o.d., Calif. (A.N.S.P.)]

Monoblastus obscurellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♂, ♀.
[key, des., Calif., Colo., Mont., Wash.]

Monoblastus obscurellus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
[Me.]

Rhorus (Cyphanza) pilosus (Davis) new combination

Eryma pilosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 274. ♂. [o.d., Mont.
(A.N.S.P.), Mass.]

Neoeryma pilosa Dalla Torre, Cat. Hymen., 1901, 3: 310. [syn.]

Rhorus (Cyphanza) punctifrons (Davis) new combination

Monoblastus punctifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♀.
[key, o.d., Tex. (A.N.S.P.)]

Rhorus (Cyphanza) tristis (Provancher) new combination

Erromenus tristis Provancher, Addit. Faune Canada, Hymén., 1886, p. 110.
♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Erromenus tristis Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♀. [key, des.]

Erromenus tristis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 412. [Me.]

Rhorus (Cyphanza) varifrons (Cresson) new combination

Tryphon varifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♂. [o.d.,
Mass. (A.N.S.P.), Conn.]

Tryphon scutellaris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♀. [o.d.,
Conn. (A.N.S.P.)]

Tryphon frontalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♀. [o.d.,
Conn. (A.N.S.P.)]

Tryphon scutellaris Provancher, Nat. Canad., 1875, 7: 310, 311. [key, Que.]

Monoblastus varifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀.
[key, syn., des., Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H. (In
part)]

Monoblastus varifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.J.]

Monoblastus varifrons Nason, Ent. News, 1905, 16: 170. [Ill.]

Monoblastus varifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
297. ♂, ♀. [des.]

Monoblastus varifrons Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.
[Me.]

Monoblastus varifrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
948. [N.Y.]

Monoblastus varifrons Taylor, Ent. Amer., 1929, 10: 39. [Mass., Me.]

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PION Schiödte

Pion Schiödte, Nat. Tidsskr., 1838, 2: 318.

Genotype: *Mesoleptus fortipes* Gravenhorst.

Catoglyptus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 98, 106.

Genotype: *Mesoleptus fortipes* Gravenhorst.

Sympherta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

New synonymy.

Genotype: *Tryphon burrus* Cresson.

Stiphrosomus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Preoccupied by Fieber, 1858. New synonymy.

Genotype: *Ichneumon fuscicornis* Gmelin.

Provancherella Dalla Torre, Cat. Hymen., 1901, 3: 305. New synonymy.

Genotype: (*Baryceros rhopalocerus* Provancher) = *burrus* Cresson.

Pion aciculatus (Davis) new combination

Monoblastus aciculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂.
[key, o.d., Mont. (A.N.S.P.)]

Pion burrus (Cresson) new combination

Tryphon burrus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♀. [o.d.,
Conn. (A.N.S.P.)]

Baryceros rhopalocerus Provancher, Nat. Canad., 1875, 7: 269. ♂. [o.d.,
Que. (M.P.Q.)] New synonymy.

Mesoleptus? rhopalocerus Provancher, Nat. Canad., 1879, 11: 232; (Faune p.
405). [key, des.]

Mesoleptus rhopalocerus Provancher, Addit. Faune Canada, Hymén., 1886, p.
96. [key]

Mesoleptus largus Provancher, Addit. Faune Canada, Hymén., 1886, p. 98.
♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

Tryphon rhopalocerus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Tryphon largus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Sympherta burrus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂, ♀. [key,
des., Conn.]

Baryceros rhopalocerus Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂. [des.,
Ga., N.Y.]

Tryphon largus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Provancherella rhopalocerus Dalla Torre, Cat. Hymen., 1901, 3: 305. [syn.]

Provancherella rhopalocera Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 295. ♂. [des.]

Sympherta burra Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.
[key]

Provancherella rhopalocera Walley, Canad. Ent. 1937, 69: 191. [syn. des.]

Provancherella rhopaloceros(!) Brimley, Insects of N.C., 1938, p. 411. [N.C.]

Pion clinatus (Walley) new combination

Stiphrosomus clinatus Walley, Canad. Ent., 1937, 69: 190. ♀. [o.d., Banff, Alta. (C.N.C.)]

Pion femoratus (Davis) new combination

Catoglyptus femoratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

Pion fucatus fucatus (Cresson) new combination

Mesoleptus fucatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀. [o.d., W.Va. (A.N.S.P.), Conn.]

Mesoleptus erectus Provancher, Nat. Canad., 1875, 7: 317. ♀. [o.d., Que. (M.P.Q.)]

Mesoleptus fucatus Provancher, Nat. Canad., 1877, 7: 271, 272. [key, Que.]

Mesoleptus fucatus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

Mesoleptus erectus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

Mesoleptus laetus Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Mesoleptus fucatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus laetus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus erectus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Catoglyptus? fucatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [syn. des., Canada, Colo., Conn., Mass., N.H., Va., Wash.]

Catoglyptus furcatus (!) Nason, Ent. News, 1905, 16: 170. [Ill.]

Syndipnus erythrogaster Viereck, Trans. Amer. Ent. Soc., 1908, 33: 385. ♂. [o.d., Flagstaff, Ariz. (Univ. Kans.)] New synonymy.

Catoglyptus? fucatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♀. [des.]

Stiphrosomus fucatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Stiphrosomus fucatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Scopesis laetus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Catoglyptus fuscatus (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Scopesis laetus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Catoglyptus fucatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Stiphrosomus fucatus Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

- Syndipnus erythrogaster* Walley, Canad. Ent., 1940, 72: 136. [des.]
Stiphrosomus fucatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Pion fucatus nigropleuralis (Davis) new combination

- Mesoleptus nigropleuralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂.
 [key, des., Nev. (A.N.S.P.)]

Subfamily 6. MESOLEIINAE

Tribe 4. CTENOPELMATINI

CTENOPELMA Holmgren

- Ctenopelma* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 117.
 Genotype; *Ctenopelma nigrum* Holmgren.
Diedrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200. New synonymy.
 Genotype: *Diedrus areolatus* Davis.
Eryma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202. Preoccupied by Meyer, 1840 and by Albers, 1854.
 Genotype: (*Eryma stigium* Kriechbaumer) = *nigrum* Holmgren.
Holmgrenia Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1877, 31: 146. Preoccupied by Foerster, 1868.
 Genotype: (*Holmgrenia pulchra* Kriechbaumer) = *xanthostigma* Holmgren.
Kriechbaumeria Dalla Torre, Jahresber. Naturf. Ges. Graubünden, 1885, 28: 52.
 New name for *Holmgrenia* Kriechbaumer.
Polyomorus Kriechbaumer, Ent. Nachr., 1894, 20: 60.
 Genotype: *Polyomorus gagatinus* Kriechbaumer.
Neoeryma Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. New name for *Eryma* Foerster.
Pseudobanchus Szépligeti, Genera Insectorum, 1911, 114: 79.
 Genotype: *Exetastes nigripennis* Gravenhorst.

Ctenopelma areolatum (Davis) new combination

- Diedrus areolatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., N.H. (A.N.S.P.)]

Ctenopelma crassicorne Walley

- Ctenopelma crassicorne* Walley, Canad. Ent., 1941, 73: 168. ♂, ♀. [o.d., Smoky Falls, Mattagami River, Ont. (C.N.C.)]

Ctenopelma croceum Walley

- Ctenopelma croceum* Walley, Canad. Ent., 1941, 73: 167. ♂, ♀. [o.d., Sweetsburg, Que. (C.N.C.), Ont.]

Ctenopelma labradorens (Davis) new combination

Diedrus labradorens Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., Labrador (A.N.S.P.)]

Ctenopelma nigricorne (Provancher)

Mesoleptus nigricornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 99.

♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Ctenopelma nigricornis Harrington, Canad. Ent., 1892, 24: 99. [syn., des.]

Ctenopelma nigricornis Davis, Canad. Ent., 1895, 27: 289. [syn.]

Ctenopelma nigricornis Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♀. [key, des., Ont.]

Ctenopelma nigricorne Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

Ctenopelma sanguineum (Provancher)

Tryphon sanguineus Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d., Que. (M.P.Q.)]

Ctenopelma sanguinea Provancher, Nat. Canad., 1879, 11: 248; (Faune, p. 406). ♂, ♀. [des.]

Ctenopelma sanguinea Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♂, ♀. [key, des., Canada, Del., Ida., Mont., N.J., Wash.]

Ctenopelma sanguineum Dalla Torre, Cat. Hymen., 1901, 3: 331. [syn.]

Ctenopelma sanguineum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des.]

Ctenopelma sanguineum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

XENOSCHESIS FoersterSubgenus **Xenoschesis** Foerster

Xenoschesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande 1868, 25: 158.

Genotype: *Exetastes fulvipes* Gravenhorst.

Homobia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Genotype: *Colpotrochia? cinctiventris* Ashmead.

Glyptocentrus Kriechbaumer, Ent. Nachr., 1894, 20: 61.

Genotype: *Exetastes fulvipes* Gravenhorst.

Polycinetus Thomson, Opusc. Ent., 1894, 19: 1983.

Genotype: *Exetastes fulvipes* Gravenhorst.

Xenoschesis (**Xenoschesis**) **cinctiventris** (Ashmead)

Colpotrochia? cinctiventris Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200.

♂ (not ♀). [o.d., Provincetown, Mass. (U.S.N.M.)]

Pyracon clypeatum Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

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- Homobia cinctiventris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂ (not ♀). [des.]
- Exetastes abbreviatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♂, ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]
- Erigloea longitarsis* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.
- Xenoschesis slossonae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 140. ♀. [o.d., Mt. Washington, N.H. (U.S.N.M.), Newfoundland]
- Xenoschesis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn.]
- Xenoschesis slossonae* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]
- Xenoschesis slossonae* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 244. [syn.]
- Xenochesis* (!) *cinctiventris* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

Subgenus **Polycinetis** Foerster

- Polycinetis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.
Genotype: *Notopygus* (*Polycinetis*) *resplendens* Holmgren.
- Prosmorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.
Genotype: *Notopygus resplendens* Holmgren.
- Erigloea* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.
Genotype: (*Erigloea polita* Kriechbaumer) = *resplendens* Holmgren.

Xenoschesis (**Polycinetis**) **crassitarsus** Walley, new combination

- Xenoschesis crassitarsus* Walley, Canad. Ent., 1935, 67: 181. ♀. [key, o.d., Macdiarmid, Lake Nipigon, Ont. (C.N.C.)]

Xenoschesis (**Polycinetis**) **gracilis** Cushman, new combination

- Xenoschesis gracilis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. ♀. [o.d., Franconia, N.H. (U.S.N.M.), Alta.]
- Xenoschesis gracilis* Walley, Canad. Ent., 1935, 67: 180. [key]

Xenoschesis (**Polycinetis**) **limatus** (Cresson)

- Tryphon?* *limatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d., Del. (A.N.S.P.)]
- Polycinetus limatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀. [key, des., Del., Mont., N.Y.]
- Polycinetis limata* Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]
- Polycinetis limata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♂, ♀. [des.]
- Xenoschesis limatus* Walley, Canad. Ent., 1935, 67: 180. [key]

Xenoschesis (Polycinetis) nitidus Walley, new combination

Xenoschesis nitidus Walley, Canad. Ent., 1935, 67: 180. ♂, ♀. [key, o.d., Steelhead, B.C. (C.N.C.)]

Xenoschesis (Polycinetis) solitarius (Davis)

Polycinetus solitarius Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♀. [key, o.d., Agricultural College, Mich. (Mich. State College)]

Polycinetis solitaria Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]

Xenoschesis solitarius Walley, Canad. Ent., 1935, 67: 180. [key]

HOMASPIS Foerster

Homaspis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Mesoleptus rufinus* Gravenhorst.

Homaspis albipes Davis

Homaspis albipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.Y. (A.N.S.P.)]

Homaspis albipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♀. [des.]

Homaspis interruptus (Provancher)

Paniscus interruptus Provancher, Nat. Canad., 1874, 6: 107. ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus interruptus Provancher, Nat. Canad., 1879, 11: 225; (Faune, p. 398). [key, des.]

Mesoleptus interruptus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus interruptus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesolectus (!) *interruptus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43. [des.]

Homaspis interruptus Townes, Lloydia, 1938, 1: 222. [syn.]

Homaspis nigripes Cushman

Homaspis nigripes Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀. [o.d., Estes Park, Colo. (U.S.N.M.)]

Homaspis rhadinus Davis

Homaspis rhadinus Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.H. (A.N.S.P.)]

Homaspis slossonae Cushman

Homaspis slossonae Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
MEM. AMER. ENT. SOC., 11 pt. 2.

- Homaspis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 15. ♂.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]
Homaspis slossonae Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

NOTOPYGUS Holmgren

Notopygus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 115.

Genotype: *Notopygus emarginatus* Holmgren.

Notopygus cultus (Cresson)

- Mesoleptus cultus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀ (not ♂).
[o.d., N.J. (A.N.S.P.)]
Notopygus cultus Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [key, des.]
Prosmosus cymbaformus Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀.
[key, o.d., Ill. (A.N.S.P.)] New synonymy.
Prosmorus cymbiformis (!) Dalla Torre, Cat. Hymen., 1901, 3: 371. [syn.]
Notopygus cultus Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]
Notopygus cultus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291.
♀. [des.]
Notopygus cymbaformus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 945. [N.Y.]

Notopygus excavatus Davis

- Notopygus excavatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [o.d.,
Nev. (A.N.S.P.)]
Notopygus excavatus Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]

Notopygus scutellatus Cushman

- Notopygus scutellatus* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀.
[o.d., Cornwall, Ida. (U.S.N.M.)]

Notopygus virginiensis Cushman

- Notopygus virginiensis* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. ♀.
[key, o.d., Vienna, Va. (U.S.N.M.)]

Subfamily 6. MESOLEIINAE

Tribe 5. MESOLEIINI

Subtribe 1. PERILISSINA

OPHELTES Holmgren

Opheltes Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.

Genotype: *Ichneumon glaucopterus* Linnaeus.

Nephopheltes Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. New synonymy.

Genotype: *Nephopheltes japonicus* Cushman.

***Opheltes glaucopterus flavipennis* (Provancher)**

(*Ichneumon glaucopterus* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d. (British Mus.)])

(*Opheltes glaucopterus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 30. ♀. [des., host, Sweden])

Campoplex flavipennis Provancher, Nat. Canad., 1874, 6: 143. ♀. [key, o.d., Que. (type lost)]

Opheltes glaucopterus Provancher, Nat. Canad., 1879, 11: 145. ♀. [syn., des., fig.]

Opheltes glaucopterus Fletcher, Canad. Ent., 1887, 19: 80. [host a]

Opheltes glaucopterus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Opheltes glaucopterus Riley and Howard, Insect Life, 1890, 3: 155. [host a, S.D.]

Opheltes glaucopterus Riley and Howard, Insect Life, 1890, 3: 177. [host a, S.D.]

Opheltes glaucopterus Aldrich, Insect Life, 1891, 3: 276. [host a, Minn., S.D.]

Opheltes glaucopterus Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Opheltes glaucopterus Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 5. [des., biol., host a, S.D.]

Opheltes glaucopterus Slosson, Ent. News, 1894, 5: 4. [N.H.]

Opheltes (!) *glaucopterus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54, 55. [biol., Que.]

Opheltes glaucopterus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Opheltes glaucoptenis (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Opheltes glaucopterus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Opheltes glaucopterus Howard, The Insect Book, 1902, plate 10, fig. 27.

Opheltes glaucopterus Nason, Ent. News, 1905, 16: 151. [Ill.]

Opheltes glaucopterus Whitmarsh, Ann. Ent. Soc. Amer., 1910, 3: 197, 204-206, 208. [des., morphology]

Opheltes glaucopterus Fyles, Ann. Rpt. Ent. Soc. Ont., 1910, 40: 82. [biol., host a]

Opheltes glaucopterus Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 134. ♂, ♀. [des., Europe, N.H., N.J., Ont. (in part)]

Opheltes glaucopterus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host a, Que.]

Opheltes glaucopterus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]

- Opheltes glaucopterus* var. *flavipennis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 15. ♂, ♀. [key, des., Canada, Colo., Conn., Ida., Ill., N.Y., S.D.]
- Opheltes glaucopterus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]
- Opheltes glaucopterus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Opheltes glaucopterus* var. *flavipennis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Opheltes glaucopterus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Opheltes* (!) *glaucopterus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [N.B.]
- Opheltes glaucopterus* var. *flavipennis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 410. [host a, Me.]
- CIMBICIDAE: a, *Cimbex americana*.

***Opheltes glaucopterus flavipennis* var. *barberi* Cushman**

- Opheltes glaucopterus* var. *barberi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. ♀. [o.d., Plummars Is., Md. (U.S.N.M.)]

PERILISSUS Holmgren

- Perilissus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63.
- Genotype: *Mesoleptus filicornis* Gravenhorst. Monobasic.
- Oetophorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.
- New synonymy.
- Genotype: *Mesoleius stretchii* Cresson.
- Spanotecnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- Genotype: *Mesoleptus filicornis* Gravenhorst.
- Polyoncus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- New synonymy.
- Genotype: *Tryphon erythrocephalus* Gravenhorst.
- Symphobus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.
- Genotype: *Tryphon pleuralis* Cresson.
- Udenia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.
- Genotype: (*Udenia herrichii* Kriechbaumer) = *rufoniger* Gravenhorst.
- Silavoga* Cameron, Ann. Transvaal Mus., 1911, 2: 190.
- Genotype: *Silavoga longicornis* Cameron.

***Perilissus bicolor* (Cresson) new combination**

- Mesoleptus bicolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., Pa. (A.N.S.P.)]
- Prionopoda ruficornis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♂. [o.d., Ithaca, N.Y. (U.S.N.M.)]

Rhorus bicolor Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♂. [key, des., Mich., N.Y., Pa.]

Rhorus bicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des., Conn.]

Spanotecnus bicolor Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Spanotecnus bicolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Perilissus coloradensis (Ashmead) new combination

Prionopoda coloradensis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀. [o.d., Fort Collins, Colo. (U.S.N.M.)]

Spanotecnus coloradensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Mont., Ore.]

Spanotecnus coloradensis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

Perilissus concolor (Cresson) new combination

Mesoleptus concolor Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♀. [o.d., N.J. (A.N.S.P.)]

Mesoleptus concolor Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern and Middle States]

Cteniscus concolor Provancher, Nat. Canad., 1875, 7: 139. ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus concolor Provancher, Nat. Canad., 1875, 7: 317. [syn., des.]

Mesoleptus concolor Provancher, Nat. Canad., 1879, 11: 230; (Faune, p. 403). [key, syn., des.]

Mesoleptus concolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Spanotecnus concolor Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. [key, des., Ida., Mass., Mich., Mont., N.H., N.J., N.Y., Pa.]

Spanotecnus concolor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

Cteniscus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. [syn. (in part)]

Spanotecnus concolor Nason, Ent. News, 1905, 16: 170. [Ill.]

Spanotecnus concolor Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Spanotecnus concolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des., Conn.]

Spanotecnus concolor Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Spanotecnus concolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Spanotecnus concolor Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Perilissus decoloratus (Cresson) new combination

Mesoleptus decoloratus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♂ [o.d., Ill. (A.N.S.P.)]

Mesoleptus decoloratus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Ill.]

Perilissus southwickii Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Central Park, New York, N.Y. (U.S.N.M.)]

Spanotecnus decoloratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♂, ♀. [key, syn., des., Ill.]

Spanotecnus decoloratus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Spanotecnus decoloratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

Perilissus discolor (Cresson) new combination

Mesoleptus discolor Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Del. (A.N.S.P.)]

Mesoleptus unicolor Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Pa. (A.N.S.P.), Del.] New synonymy.

Mesoleptus discolor Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]

Mesoleptus unicolor Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]

Pyracon rufum Provancher, Nat. Canad., 1882, 13: 365; (Faune p. 787). ♀. [o.d., Cap. Rouge, Que. (M.P.Q.)] New synonymy.

Mesoleptus discolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus unicolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleius rufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Sympherta? unicolor Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [key, des., Canada, Del., Pa.]

Spanotecnus discolor Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Canada, Colo., Del.]

Mesoleius rufus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Spanotecnus discolor Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

Spanotecnus discolor Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Spanotecnus discolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. [key]

Sympherta unicolor Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]

Spanotecnus discolor Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Spanotecnus discolor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

***Perilissus frontosus* (Davis) new combination**

Labrossyta frontosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♂, ♀. [o.d., Wash. (A.N.S.P.), Colo., Ida., Nev.]

***Perilissus fumipennis* (Provancher) new combination**

Westwoodia fumipennis Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]

Westwoodia fumipennis Provancher, Nat. Canad., 1879, 11: 219; (Faune, p. 392). [des.]

Westwoodia fumipennis Davis, Trans. Amer. Ent. Soc., 1897, 24: 280. ♀. [des., Canada, N.H.]

***Perilissus nasoni* (Davis) new combination**

Oetophorus nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

Oetophorus nasoni Nason, Ent. News, 1905, 16: 170. [Ill.]

***Perilissus oculatus* (Davis) new combination**

Oetophorus oculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Tex. (A.N.S.P.)]

***Perilissus opulentus* (Davis) new combination**

Erigloea opulenta Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., N.H. (A.N.S.P.)]

***Perilissus osflavus* (Davis) new combination**

Oetophorus osflavus Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Agricultural College, Mich. (Mich. State College)]

***Perilissus pleuralis* (Cresson) new combination**

Tryphon pleuralis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 275. ♀. [o.d., N.J. (A.N.S.P.)]

Symphobus pleuralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♀. [des.]

Symphobus pleuralis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Plectiscus pleuralis Dalla Torre, Cat. Hymen., 1901, 3: 24. [syn.]

Symphobus pleuralis Dalla Torre, Cat. Hymen., 1901, 3: 352. [syn.]

Symphobus pleuralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. ♀. [des.]

Symphobus pleuralis Bradley, Canad. Ent., 1939, 71: 95. [syn.]

Oetophorus pleuralis Townes, Canad. Ent., 1939, 71: 96. [syn.]

***Perilissus stretchii* (Cresson) new combination**

Mesoleius stretchii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♀.
[o.d., Calif. (A.N.S.P.)]

Oetophorus stretchii Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂ ?, ♀.
[key, des., Calif., Colo.]

ABSYRTUS Holmgren

Absyrtus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.

Genotype: (*Absyrtus luteus* Holmgren) = *vicinator* Thunberg.

Eczetesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Perilissus paniscoides* Ashmead.

***Absyrtus arealis* Cushman**

Absyrtus arealis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19. ♂, ♀.
[key, o.d., Cabin John, Md. (U.S.N.M.)]

***Absyrtus paniscoides* (Ashmead)**

Perilissus paniscoides Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♀,
(♂ misdetermined). [o.d., Canada and Central Park, New York, N.Y.
(U.S.N.M.)]

Eczetesis paniscoides Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [des.,
Ill., N.Y., Pa.]

Eczetesis paniscoides Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577.
[N.Y., Pa.]

Eczetesis paniscoides Nason, Ent. News, 1905, 16: 170. [Ill.]

Eczetesis paniscoides Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.
♀. [des.]

Absyrtus paniscoides Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 2.
[syn.]

Absyrtus paniscoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.
[key, des.]

Absyrtus paniscoides Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
946. [N.Y.]

Absyrtus paniscoides Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Absyrtus perilisoides* Cushman**

Absyrtus perilisoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.
♂, ♀. [key, o.d., Hartford, Conn. (U.S.N.M.)]

LABROSSYTA Foerster

Labrossyta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Grypocentrus bimaculatus* Ashmead.

Atithasus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

New synonymy.

Genotype: (*Atithasus stellarius* Davis) = *bimaculata* Ashmead.

Labrossyta bimaculata (Ashmead)

Grypocentrus bimaculatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199.

♀. [o.d., Hanover, N.H. (U.S.N.M.)]

Labrossyta bimaculatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♀.

[des., N.H.]

Atithasus stellarius Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀.

[o.d., Tex. (A.N.S.P.)] New synonymy.

Labrocysta (!) *bimaculata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.

[Kans.]

Labrossyta indotata (Davis) new combination

Ctenopelma indotata Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂, ♀.

[key, o.d., Tex. (U.S.N.M.)]

Ctenopelma indotatum Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

Labrossyta primosa (Davis) new combination

Ctenopelma primosa Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂. [key,

o.d., Tex. (U.S.N.M.)]

Ctenopelma primosum Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

LAPHYROSCOPUS Foerster

Laphyroscoptes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Tryphon capitatus* Cresson.

Laphyroscoptes capitatus (Cresson)

Tryphon capitatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♂. [o.d., Pa.

(A.N.S.P.)]

Tryphon capitatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Pa.]

Laphyroscoptes capitatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀.

[des., Ga., N.H., Pa., Tex.]

Laphyroscoptes capitatus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Laphyroscoptes longipes (Davis) new combination

Syndipnus longipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 288. ♀. [o.d.,

Tex. (A.N.S.P.)]

(Euryproctina?) *longipes* Walley, Canad. Ent., 1940, 72: 136. [syn., des.]

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LATHROLESTES Foerster

Lathrolestes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Lathrolestes nasoni* Davis.

Homalomma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

New synonymy.

Genotype: *Homalomma caliroae* Rohwer.

Ecclinops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

New synonymy.

Genotype: *Tryphon orbitalis* Gravenhorst.

Lathrolestes Thomson, Opusc. Ent., 1883, 9: 911, 916. New synonymy.

Genotype: *Tryphon clypeatus* Zetterstedt.

Luphyroscopus Thomson, Opusc. Ent., 1883, 9: 915. New synonymy.

Genotype: (*Tryphon gorskii* Ratzeburg) = *luteolator* Gravenhorst.

Tryphonopsis Brauns, Arch. Ver. Fr. Natur. Meklenburg, 1898, 51: 62.

Genotype: *Tryphonopsis ensator* Brauns.

Lathrolestes caliroae (Rohwer) new combination

Homalomma caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

Homalomma eriocampoides Rohwer, Proc. U. S. Nat. Mus., 1915, 29: 219. ♀. [o.d., host b, Falls Church, Va. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Caliroa* sp. on *Nyssa sylvatica*; b, *Caliroa* sp. on *Quercus prinus*.

Lathrolestes cinctus new name

Phytodietus? *truncatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♀. [o.d., Brookings, S.D. (A.N.S.P.)] Preoccupied in *Lathrolestes* by Provancher, 1888.

Lissonota? *truncata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]

Lathrolestes constrictus (Provancher) new combination

Phygadeuon constrictus Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune, p. 779). ♂. [key, o.d., Que. (M.P.Q.)]

Phygadeuon constrictus Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♂, ♀. [key, des., Que.]

Lathrolestes iladus (Davis) new combination

Spanotecnus iladus Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂. [key, o.d., N.Y. (A.N.S.P.)]

Lathrolestes luteolator (Gravenhorst)

Mesoleptus luteolator Gravenhorst, Ichneum. Europeae, 1829, 2: 42. ♂. [o.d., Sickershausen, Germany (?Breslau Mus.)]

Polyoncus suburbe Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., suburbs of Madison, Wis. (A.N.S.P.)] New synonymy.

Lathrolestes luteolator Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Lathrolestes mentalis (Davis) new combination

Polyoncus mentalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., N.H. (A.N.S.P.)]

Monoblastus nigriventris Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Polyoncus mentalis Nason, Ent. News, 1905, 16: 170. [Ill.]

Laphyrosopus mentalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

Polyoncus mentalis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Lathrolestes mnemonicae (Rohwer)

Sympherta mnemonicae Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 141. ♂, ♀. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

Lathrolestes mnemonicae Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 12. [syn., des.]

ERIOCRANIIDAE: *a*, *Mnemonica auricyanea*.

Lathrolestes nasoni Davis

Lathrolestes nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♂, ♀. [o.d., Mont. (A.N.S.P.), Ill.]

Lathrolestes similis Davis, Trans. Amer. Ent. Soc., 1897, 24: 265. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Lathrolestes obscurellus (Davis) new combination

Spanotecnus obscurellus Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♀. [key, o.d., Conn. (A.N.S.P.)]

Spanotecnus obscurellus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♀. [key, des.]

Lathrolestes pictus Cushman

Lathrolestes pictus Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 11. ♂, ♀. [o.d., Brookings, S.D. (U.S.N.M.)]

Lathrolestes platynus (Davis) new combination

Polyoncus platynus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♂. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

Polyoncus unicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)] New synonymy.

Lathrolestes rufigaster Cushman

Lathrolestes rufigaster Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 13. ♂, ♀. [o.d., host *a*, Grimsby, Ont. (U.S.N.M.)]

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Lathrolestes rufigaster Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 404.
[host b, Me.]

TENTHREDINIDAE: a, *Metallus rubi*. Miscellaneous: b, sawfly on blackberry.

Lathrolestes scutellatus (Ashmead) new combination

Prionopoda scutellata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.
[o.d., Washington, D.C. (U.S.N.M.)]

Trematopygus scutellatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♀.
[key, des.]

Lathrolestes tomostethi (Cushman) new combination

Perilissus tomostethi Cushman, Jour. Wash. Acad. Sci., 1935, 25: 558. ♂, ♀.
[o.d., host a, Boston, Mass. (U.S.N.M.)]

TENTHREDINIDAE: a, *Tomostethus multicinctus*.

Lathrolestes truncatus (Provancher) new combination

Mesochorus truncatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.
♀. [o.d., Vancouver, B.C. (M.P.Q.)]

Mesoleius truncatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Mesoleius truncatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Lathrolestes visscheri DeGant

Lathrolestes visscheri DeGant, Proc. U. S. Nat. Mus., 1933 (Feb.), 82, art. 11: 5.
♂, ♀. [o.d., Parr Is., East Spence Lake, Ont. (U.S.N.M.)]

Lathrolestes metalli Cushman, Proc. U. S. Nat. Mus., 1933 (Mar.), 82, art. 14:
10. ♂, ♀. [o.d., host a, Beamsville, Ont. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Metallus rubi*.

SYNOECETES Foerster

Synoecetes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.

Genotype: (*Mesoleptus sedulus* Cresson) = *festivus* Cresson.

Synoecetes festivus (Cresson)

Tryphon festivus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 279. ♀ (not ♂).
[o.d., Ill. (A.N.S.P.)]

Mesoleptus sedulus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♀ (not ♂).
[o.d., Mass. (A.N.S.P.), N.J.] New synonymy.

Synoecetes sedulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,
des., Conn., Mass., Mich., N.J., N.Y.]

Synoecetes festivus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,
des., Colo., Ill.]

Tryphon festivus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.J.]

Synoecetes sedulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295.

[key]

Synoecetes festivus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

GNESIA Foerster

Gnesia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Gnesia caliroae* Rohwer.

Gnesia caliroae Rohwer

Gnesia caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 220. ♀. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Nyssa sylvatica*.

Gnesia rotundata (Davis) new combination

Trematopygus rotundatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich.]

Subfamily 6. MESOLEIINAE

Tribe 5. MESOLEIINI

Subtribe 2. MESOLEIINA

PROTARCHUS Foerster

Protarchus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: (*Tryphon rufus* Gravenhorst) = *testatorius* Thunberg.

Zacalles Foerster, Verh. Naturh. Ver. Preuss Rheinlande, 1868, 25: 204.

Genotype: *Zacalles magnus* Davis.

Protarchoides Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25. New synonymy.

Genotype: *Protarchoides longipes* Cushman.

Protarchus longipes (Cushman) new combination

Psilosarge (!) *longipes* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Protarchoides longipes Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Protarchoides mandibularis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20:

9. ♀. [o.d., fig., Wellington, B.C. (U.S.N.M.), Me.] New synonymy.

Protarchoides longipes Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

[key]

Protarchoides mandibularis Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13:

15. [key]

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Protarchoides longipes Walley, Canad. Ent., 1938, 70: 230. [key]

Protarchoides mandibularis Walley, Canad. Ent., 1938, 70: 230. [key, des., host a, Que.]

CIMBICIDAE: a, *Trichiosoma* sp.

Protarchus magnus (Davis)

Zacalles magnus Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♀. [o.d., N.H. (A.N.S.P.)]

Protarchus magnus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 8. [des., N.H.]

Protarchus mellipes (Provancher) new combination

Coleocentrus mellipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 113.

♂. [o.d., Rocky Mts. (C.N.C.)]

Coleocentrus mellipes Harrington, Canad. Ent., 1893, 25: 30. [key]

Coleocentrus mellipes Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. [key, des.]

Protarchoides pallipes Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

♀. [key, o.d., Edmonton, Alta. (U.S.N.M.)]

Protarchoides mellipes Walley, Canad. Ent., 1938, 70: 231. [key, syn., Ont.]

Protarchus pallidicornis (Walley) new combination

Protarchoides pallidicornis Walley, Canad. Ent., 1938, 70: 231. ♀. [key, o.d., Smoky Falls, near Kapuskansing, Ont. (C.N.C.)]

HIMERTA Foerster

Himerta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: (*Himerta bisannulatus* Thomson) = *defectiva* Holmgren.

Clepsiporthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: *Mesoleius*? *rubiginosus* Cresson.

Himertus Thomson, Opusc. Ent., 1883, 9: 926.

Genotype: (*Euryproctus* (*Himertus*) *bisannulatus* Thomson) = *defectiva* Holmgren.

Neoprotarchus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10.

Genotype: *Neoprotarchus ater* Cushman.

Himerta annulata (Davis) new combination

Lampronota annulata Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Gaylord, Mich. (A.N.S.P.)]

Himerta atra (Cushman) new combination

Neoprotarchus ater Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10. ♀ (not ♂). [o.d., fig., Mill Valley, Calif. (U.S.N.M.)]

Himertus ater Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]

Himerta flavida (Davis) new combination

Clepsiorthus flavidus Slosson, Ent. News, 1896, 7: 264. [N.H.] Nomen nudum.

Clepsiorthus flavidus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

Himertus flavidus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]

Himertus dakota Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. ♂?, ♀. [key, o.d., Spearfish, S.D. (U.S.N.M.)] New synonymy.

Himerta rubiginosa (Cresson)

Mesoleius? *rubiginosus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂. [o.d., Calif. (A.N.S.P.)]

Clepsiorthus rubiginosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Calif., Ida., Kans., Va., Wash.]

Himertus rubiginosus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15. [key]

Clepsiorthus rubiginosus Criddle, Ann. Rpt. Ent. Soc. Ont. 1928, 58: 102. [Alta.]

MESOLEIUS Holmgren

Mesoleius Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 69.

Genotype: *Tryphon aulicus* Gravenhorst.

Alexeter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. New synonymy.

Genotype: *Mesoleptus* (*Alexeter*) *ruficornis* Gravenhorst.

Lagarotis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205. New synonymy.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

Oneïsta Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207.

Genotype: (*Oneïsta bohemani* Kriechbaumer) = *ustulatus* Holmgren.

Aeolometis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207. New synonymy.

Genotype: *Scolobates italicus* Gravenhorst.

Scopesis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New synonymy.

Genotype: *Mesoleius guttiger* Holmgren.

Tachyporthus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Scolobates italicus* Gravenhorst.

Spudaea Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 211. Preoccupied by Snellen, 1867.

Genotype: *Trematopygus* (*Spudaea*) *clypearis* Brischke.

Holmgrenia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 213.

New synonymy.

Genotype: *Holmgrenia lanceolata* Davis.

Cryptocentrus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 156. Preoccupied by Ehrenberg, 1837.

Genotype: *Tryphon? submarginatus* Cresson.

Spudaeus Thomson, Opusc. Ent., 1883, 9: 932. Preoccupied by Gistel, 1848.

Genotype: *Tryphon leucostomus* Gravenhorst.

Lagarotus Thomson, Opusc. Ent., 1892, 17: 1880, 1881.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

Scopesus Thomson, Opusc. Ent., 1894, 19: 2028.

Genotype: *Mesoleius guttiger* Holmgren.

Aelometis Thomson, Opusc. Ent., 1894, 19: 2034.

Genotype: *Scolobates italicus* Gravenhorst.

Hyposyntactus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217.

Genotype: (*Hyposyntactus flavifrons* Ashmead) = *vancouverensis* Dalla Torre.

Alfenia Pfankuch, Ztschr. Hymen. Dipt., 1906, 6: 89. New synonymy.

Genotype: *Ichneumon integrator* Müller.

***Mesoleius affinis* (Ashmead) new combination**

Calliphyrurus affinis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀.

[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

***Mesoleius alaskensis* (Ashmead) new combination**

Calliphyrurus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀.

[key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius antennatus* Provancher**

Mesoleius antennatus Provancher, Nat. Canad., 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

Mesoleius antennatus Provancher, Nat. Canad., 1879, 11: 260; (Faune p. 418). ♀. [key, o.d., Que. (M.P.Q., same type as *M. antennatus* Provancher, 1877)]

Mesoleius antennatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Alexeter antennatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♀. [key, des., Canada, N.H.]

Alexeter antennatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

***Mesoleius articularis* Davis**

Mesoleius articularis Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♀. [key, o.d., Wash. (A.N.S.P.), Colo.]

Mesoleius articularis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. [des.]

Mesoleius audax Davis

Mesoleius audax Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key, o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius aulicus (Gravenhorst)

Tryphon aulicus Gravenhorst, Ichneum. Europeae, 1829, 2: 173. ♂, ♀. [o.d., Germany (?Breslau Mus.)]

Mesoleius aulicus Holmgren, Svensk. Vet.-Akad. Handl., 1854, 75: 69. [des., Sweden]

Mesoleius tenthredinis Morley, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 26. ♂, ♀. [o.d., England (British Mus.)] New synonymy.

Mesoleius tenthredinis Hewitt, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 25-28. [fig., biol., host b, Canada, England, Mich.]

Mesoleius tenthredinis Hewitt, Ann. Rpt. Ent. Soc. Ont., 1913, 42: 37. [syn., introduction of species into America]

Mesoleius tenthredinis Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Man.]

Mesoleius tenthredinis Hewitt, Agr. Gaz. Canada, 1917, 4: 355-357. [fig., biol., host b, England, Man.]

Mesoleius tenthredinis Criddle, Canad. Ent., 1928, 60: 51-53. [biol., host b, Man.]

(*Mesoleius aulicus*) Swaine, Pulp and Paper Mag. Canada, 1928, 26: 501. [biol., host a, Canada]

Mesoleius tenthredinis Smith and Graham, Jour. Econ. Ent., 1929, 22: 718. [host b, Ont.]

Mesoleius tenthredinis Graham, Canad. Ent., 1931, 63: 99-102. [biol., host b, Man., Ont., Que.]

Mesoleius tenthredinis Wier, Rpt. Minister Agr. Canada for 1931-32, 1932, p. 178. [Ont.]

Mesoleius tenthredinis deGryse, Forestry Chron., Sept. 1935, p. 8-9. [biol., host b, Man., Que.]

Mesoleius tenthredinis Hopping, Forestry Chron., 1935, 11: 260. [host b, B.C.]

Mesoleius tenthredinis Gardiner, Rpt. Minister Agr. Canada for 1935-36, 1936, p. 80. [host b, Que.]

Mesoleius tenthredinis Twinn, Ann. Rpt. Ent. Soc. Ont., 1937, 67: 85. [B.C.]

Mesoleius tenthredinis Dowden, Jour. Econ. Ent., 1937, 30: 381. [host b, "Great Lake Region," Mont.]

Mesoleius tenthredinis Hopping, Proc. Ent. Soc. B.C., 1937, 33: 47. [host b, B.C.]

Mesoleius tenthredinis Balch, Ann. Rpt. Dept. Lands Mines N.B., 1939, 102: 135. [host b, N.B.]

Mesoleius tenthredinis Balch, Rpt. N.S. Dept. Lands and Forests for 1940, 1941, p. 37. [host b, N.B.]

DIPRIONIDAE: a, *Diprion hercyniae*. TENTHREDINIDAE: b, *Pristiphora erichsonii*.

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Mesoleius canaliculatus (Provancher) new combination

- Paniscus canaliculatus* Provancher, Nat. Canad., 1874, 6: 105. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1874, 6: 106. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune p. 360). [key, des.]
- Mesoleptus canaliculatus* Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403). [key, des.]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1882, 13: 363; (Faune p. 785). ♀. [des.]
- Mesoleptus canaliculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
- Mesoleptus canaliculatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Alexeter canaliculatus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Alexeter canaliculatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀. [key, des., Canada, N.H., N.Y., Pa., Wash.]
- Alexeter canaliculatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [Pa.]
- Paniscus albotarsatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]
- Alexeter canaliculatus* Ashmead, Psyche, 1901, 9: 148. ♂. [N.M.]
- Paniscus albotarsatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, des.]
- Paniscus albotarsatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]
- Rogas canaliculatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [key, des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn., des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [des.]
- Alexeter canaliculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43. [syn.]
- Alexeter albotarsatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Alexeter albotarsatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter canaliculatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter albotarsatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Rogas canaliculatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Paniscus albotarsatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Alexeter canaliculatus Townes, Lloydia, 1938, 1: 222. [syn.]

Alexeter canaliculatus Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Mesoleius chicoutimiensis Provancher

Mesoleius Chicoutimiensis Provancher, Addit. Faune Canada, Hymén., 1888, p. 368. ♀. [o.d., Chicoutimi, Que. (M.P.Q.)]

Tryphon chicoutimiensis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius chicoutimiensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Mesoleius clypeatus (Ashmead) new combination

Calliphururus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]

Mesoleius comeau * new name

Tryphon canaliculatus Provancher, Nat. Canad., 1875, 7: 116. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Mesoleius* by Provancher, 1874.

Tryphon canaliculatus Provancher, Nat. Canad., 1875, 7: 311. [key]

Mesoleius submarginatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [syn. (in part)]

Mesoleius compos (Davis) new combination

Alexeter compos Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Canada (A.N.S.P.)]

Mesoleius conformus Davis

Mesoleius conformus Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Colo., N.Y., Ore.]

Mesoleius confusus (Ashmead) new combination

Calliphururus confusus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. ♂. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

Mesoleius contractus Davis

Mesoleius contractus Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key, o.d., Canada (A.N.S.P.)]

Mesoleius cressoni (Davis) new combination

Holmgrenia cressoni Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key, o.d., Tex. (A.N.S.P.)]

* This species is named for Mr. Noel-M. Comeau who by his careful study of the Provancher collections has made an accurate identification of many of Provancher's species possible.

Mesoleius difficilis (Davis) new combination

Rhaestes difficilis Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♂. [key, o.d., Colo. (A.N.S.P.)]

Mesoleius euurae (Ashmead) new combination

Bassus euurae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host *a*, Placer Co., Calif. (U.S.N.M.)]

Bassus euurae Marlatt, Proc. Ent. Soc. Wash., 1894, 3: 264. [host *a*]

Tryphon euurae Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

Holmgrenia euurae Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂. [key, des.]

TENTHREDINIDAE: *a*, *Nematus resinicola*.

Mesoleius excavatus (Provancher)

Tryphon excavatus Provancher, Nat. Canad., 1875, 7: 310, 311. ♂. [key, o.d., Que. (M.P.Q.)]

Tryphon excavatus Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). [key, des.]

Tryphon excavatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

Mesoleius excavatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius excavatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesoleius fidelis Davis

Mesoleius fidelis Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

Mesoleius fidelis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius fissus Provancher

Mesoleius fissus Provancher, Nat. Canad., 1879, 11: 257; (Faune p. 415). ♂. [key, o.d., Douglstown, Que. (M.P.Q.)]

Mesoleius fissus Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Mesoleius fissus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Lampronota? fissus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleius frigidus (Ashmead) new combination

Calliphururus frigidus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

Mesoleius groenlandicus Roman

Mesoleius groenlandicus Roman, Ann. Mag. Nat. Hist., 1930, (10) 5: 285. ♂. [o.d., Matuola, Greenland (?Stockholm Mus.)]

Mesoleius honestus (Cresson) new combination

Mesoleptus honestus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂, ♀.
[o.d., N.J. (A.N.S.P.)]

Mesoleptus albifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂ (not ♀).
[o.d., Conn. (A.N.S.P.)] New synonymy.

Mesoleptus honestus Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

Mesoleptus honestus Provancher, Nat. Canad., 1875, 7: 272. [key]

Mesoleptus honestus Provancher, Nat. Canad., 1879, 11: 227; (Faune p. 400).
[key, des.]

Mesoleptus honestus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.
[key]

Mesoleptus albifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key,
des.]

Alexeter honestus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂, ♀. [key,
des. Canada, Ill., N.H., N.J., N.Y., Pa.]

Alexeter honestus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576.
[N.J.]

Alexeter honestus Nason, Ent. News, 1905, 16: 170. [Ill.]

Rogas honestus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289.
[key, des.]

Mesoleptidea albifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
290. [key, des.]

Alexeter honestus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.
[N.Y.]

Alexeter honestus Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Mesoleius incessans (Davis) new combination

Rhaestes incessans Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♀. [key,
o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius innoxius (Cresson) new combination

Mesoleptus innoxius Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♂.
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

Mesoleptus innoxius Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂, ♀.
[key, des., B.C., Nev., Wash.]

Mesoleius insidiosus (Cresson) new combination

Mesoleptus insidiosus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d.,
Mass. (A.N.S.P.)]

Mesoleius convergens Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key,
o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleptus insidiosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key,
des.]

Mesoleius convergens Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleius convergens Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Mesoleius insularis* (Ashmead) new combination**

Zootrephes insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius intimatus* (Davis) new combination**

Mesoleptus intimatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Colo. (A.N.S.P.), Mont.]

***Mesoleius kukakensis* (Ashmead) new combination**

Calliphururus kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♀. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Mesoleius lanceolatus* (Davis) new combination**

Holmgrenia lanceolata Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂, ♀. [key, o.d., Colo. (A.N.S.P.)]

***Mesoleius lituratus* var. *sahlbergi* Woldstedt**

(*Mesoleius lituratus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 147. ♂. [o.d., Lapponia, Sweden (? Stockholm Mus.)])

Mesoleius Sahlbergi Woldstedt, Bidrag till Kännedom af Finlands Natur och Folk, 1874, 21: 44. ♀. [o.d., "Funnen i Muonis och Enontekis af J. Sahlberg och Palmén," Finland (location of type unknown)]

Mesoleius lituratus var. *sahlbergi* Roman, Norw. Nov. Zemlya Exped., 1921, no. 14: 23, 25. [Russia, Sweden]

Mesoleius lituratus var. *sahlbergi* Poulton, Ann. and Mag. Nat. Hist., 1934, (10), 14: 53. [Labrador]

***Mesoleius lucens* (Provancher) new combination**

Campoplex lucens Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus lucens Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). [key, des.]

Mesoleptus lucens Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

Mesoleptus riparius Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Grand Lodge, Mich. (A.N.S.P.), Canada] New synonymy.

Mesoleptus lucens Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Hadrodactylus affinis Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Alexeter riparius Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn. des.]

Alexeter riparius Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleptus lucens Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius luteifrons (Cresson) new combination

Mesoleptus luteifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♂. [o.d., Fort Resolution, Great Slave Lake, N.W. Terr. (A.N.S.P.)]

Alexeter luteifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂. [key, des.]

Mesoleius minor (Ashmead) new combination

Calliphururus minor Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♂, ♀. [key, o.d., St. Paul Is., Alaska (A.N.S.P.)]

Mesoleius nigralis (Davis) new combination

Mesoleptus nigralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key, o.d., Franconia, N.H. (A.N.S.P.)]

Mesoleius nigropictus (Davis) new combination

Lampronota nigropicta Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Agricultural College, Mich. (A.N.S.P.)]

Lampronota nigropicta Slosson, Ent. News, 1895, 6: 317. [N.H.]

Mesoleptus pictus (as *Mesoleptus distinctus* in key) Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Canada (A.N.S.P.), Colo., N.H.]

New synonymy.

Scopasis (!) *monticola* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Scopesis monticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. ♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.

Scopesis pictus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. [syn.]

Lampronota nigropicta Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

Mesoleius notatus (Davis) new combination

Alexeter notatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Mt. Hood, Ore. (A.N.S.P.)]

Mesoleius nuperus Davis

Mesoleius nuperus Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key, o.d., N.H. (A.N.S.P.)]

Mesoleius idahoensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., Moscow, Ida. (A.N.S.P.), Colo.] New synonymy.

Mesoleius ovalis (Davis) new combination

Spudaea ovale Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀. [o.d., N.H. (A.N.S.P.), Colo., Mich.]

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Spudaea ovalis Hopping, Canad. Ent., 1937, 69: 248. [host *a*, B.C.]

TENTHREDINIDAE: *a*, *Hemichroa crocea*.

Mesoleius perplexus (Ashmead) new combination

Calliphururus perplexus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂.
[key, o.d., Popof Is., Alaska (U.S.N.M.)]

Mesoleius pertinax Davis

Mesoleius pertinax Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀.
[key, o.d., N.H. (A.N.S.P.), Colo.]

Mesoleius picens (Davis) new combination

Holmgrenia picens Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀. [key,
o.d., Colo. (A.N.S.P.)]

Mesoleius provancheri (Cushman) new combination

Mesoleptus variabilis Provancher, Nat. Canad., 1883, 14: 7; (Faune p. 795).
♀. [o.d., Que. (M.P.Q.)] Preoccupied by Provancher, 1875.

Mesoleptus variabilis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.
[key]

Euryproctus sentiris (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn.
(in part)]

Mesoleptus provancheri Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. New
name for *Mesoleptus variabilis* Provancher, 1883.

Mesoleius pulchranotus Davis

Mesoleius pulchranotus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂.
[key, o.d., Tex. (A.N.S.P.)]

Mesoleius pulchranotus (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 946. [N.Y.]

Mesoleius robustus (Provancher) new combination

Eclytus robustus Provancher, Nat. Canad., 1883, 14: 8; (Faune p. 795). ♀.
[o.d., Que. (M.P.Q.)]

Eclytus robustus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

Eclytus robustus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesoleius rufopectus (Provancher) new combination

Tryphon rufopectus Provancher, Addit. Faune Canada, Hymén., 1888, p. 367.
♂. [o.d., St. Gertrude, Que. (M.P.Q.)]

Tryphon rufopectus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key.]

Mesoleius scapularis (Cresson)

Mesoleptus scapularis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d., Conn. (A.N.S.P.)]

Mesoleius scapularis Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key, des., Calif., Conn., Mont., Wash.]

Mesoleius scapularis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

Mesoleius sexcarinatus (Ashmead) new combination

Polyterus sexcarinatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♀. [o.d., Alaska (U.S.N.M.)]

Mesoleius stejnegeri Ashmead

Mesoleius stejnegeri Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 337. ♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

Mesoleius stejnegeri Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. [Alaska]

Mesoleius striatus Davis

Mesoleius striatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

Dizemon regalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleius striatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Mesoleius submarginatus (Cresson)

Tryphon ? *submarginatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d., Ill. (A.N.S.P.)]

Tryphon submarginatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. [des., B.C., Conn., Ill., Me., Mass., N.W. Terr.]

Cryptocentrus submarginatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 157. ♀. [des.]

Tryphon submarginatus Provancher, Nat. Canad., 1875, 7: 118. ♂, ♀. [key, des., Que.]

Mesoleius submarginatus Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, syn., des. (in part)]

Mesoleius submarginatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Mesoleius submarginatus Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Mesoleius submarginatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂, ♀. [key, syn. (in part), des., Calif., Canada, Colo., Mass., Mich., Nev., N.H., N.Y., Tex., Wash.]

Mesoleius submarginatus Nason, Ent. News, 1905, 16: 170. [Ill.]

Mesoleius submarginatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

- Mesoleius submarginatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
Mesoleius submarginatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]
Mesoleius submarginatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]
Mesoleius submarginatus Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Mesoleius tardus* (Provancher)**

- Tryphon tardus* Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que. (M.P.Q.)]
Mesoleius tardus Provancher, Nat. Canad., 1879, 11: 259; (Faune p. 417). [key, des.]
Mesoleius tardus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]
Mesoleius tardus Provancher, Nat. Canad., 1887, 16: 24. [Que.]
Mesoleptus tardus Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key, des., Canada, N.H.]

***Mesoleius tarsalis* (Cresson) new combination**

- Tryphon tarsalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♂, ♀. [o.d., Conn. (A.N.S.P.)]
Holmgrenia tarsalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key, des.]
Holmgrenia tarsalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♀. [des., Conn.]
Holmgrenia tarsalis Brimley, Insects of N.C., 1938, p. 412. [N.C.]
Alexeter tarsalis Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [syn., biol.]

***Mesoleius vancouverensis* (Dalla Torre) new combination**

- Mesoleius? laetus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂. [o.d., Vancouver Is., B.C. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.
Mesoleius laetus Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
Mesoleptus laetus Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂. [key, des., B.C.]
Mesoleptus vancouverensis Dalla Torre, Cat. Hymén., 1901, 3: 365. New name for *Mesoleius laetus* Cresson.
Hyposyntactus flavifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♂. [o.d., fig., Juneau, Alaska (U.S.N.M.)] New synonymy.
Scopesis flavifrons Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. [syn.]

***Mesoleius visoris* Davis**

- Mesoleius visoris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

Mesoleius convexus Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♀. [key, o.d., N.H. (A.N.S.P.)] New synonymy.

Mesoleius convexus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

Mesoleius visoris Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Mesoleius zebratus (Davis) new combination

Mesoleptus zebratus Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.)]

Mesoleptidea zebrata Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

LAMACHUS Foerster

Adexioma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206. New synonymy.

Genotype: *Adexioma angularia* Davis.

Lamachus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon lophyrorum* Hartig.

Torocampus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2797. New synonymy.

Genotype: *Tryphon eques* Schmiedeknecht.

Lamachus angularius (Davis) new combination

Adexioma angularia Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., Wash. (A.N.S.P.)]

Lamachus oregon Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀. [o.d., host a, Sweet Home, Ore. (U.S.N.M.)] New synonymy.

Lamachus oregon Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host a, Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

Lamachus contortionis Davis

Lamachus? contortionis Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., D.C. (A.N.S.P.)]

Lagarotis diprioni Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 217. ♂, ♀. [o.d., host c, Falls Church, Va. (U.S.N.M.)]

Lagarotis (!) *diprioni* Middleton, Jour. Agr. Res., 1921, 20: 757. [host c]

Lagarotis diprioni Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

Lagarotis diprioni Champlain, Psyche, 1922, 29: 99. [host c, Pa.]

Lamachus contortionis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

Lamachus contortionis Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

Lamachus contortionis Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a b, Canada]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion abietis*; c, *Neodiprion lecontei*.

Lamachus lophyri (Ashmead)

Neoeryma lophyri Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂, ♀.
[o.d., host *c*, Canobie Lake, N.H. (U.S.N.M.)]

Neoeryma lophyri Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, N.H.]

Lamachus lophyri Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

Lamachus lophyri Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

DIPRIONIDAE: *a*, *Neodiprion abietis*; *b*, *Neodiprion abbotii*; *c*, *Neodiprion* sp.

Lamachus ruficoxalis (Cushman)

Labrossyta ruficoxalis Cushman, Proc. Ent. Soc. Wash., 1919, 21: 118. ♀.
[o.d., host *a*, Aweme, Man. (U.S.N.M.)]

Lamachus ruficornis (!) Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400.
Lapsus for *ruficoxalis*.

DIPRIONIDAE: *a*, *Diprion hercyniae*.

Lamachus tsugae Cushman

Lamachus tsugae Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀.
[o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

Lamachus tsugae Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.
[biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

Lamachus virginianus (Rohwer)

Lagarotis virginianus Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♂. [o.d.,
host *a*, Falls Church, Va. (U.S.N.M.)]

Lagarotis (!) *virginiana* Middleton, Jour. Agr. Res., 1921, 20: 757. [host *a*]

Lagarotis virginiana Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Lamachus virginianus Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

DIPRIONIDAE: *a*, *Neodiprion lecontei*.

SAOTIS Foerster

Saotis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson.

Saotus Thomson, Opusc. Ent., 1883, 9: 933.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson. By present designation.

Saotis clypeatus (Ashmead) new combination

Exolytus clypeatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♀. [key,
o.d., fig., Popof Is., Alaska (U.S.N.M.)]

Saotis hoeli Roman

Saotis Hoeli Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9. ♀. [o.d., Ymerøya an der Mündung d. Sofiasund, Greenland (?Stockholm Mus.)]

Saotis heoli Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. ♀. [des., Greenland]

Saotis mellipes (Provancher) new combination

Echthrus mellipes Provancher, Nat. Canad., 1874, 6: 60. ♂, ♀. [o.d., Que. (M.P.Q.)]

Mesoleius mellipes Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, des.]

Mesoleius mellipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

Mesoleius mellipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [key, des., Can., N.H., N.Y., Wash.]

Mesoleius mellipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♂, ♀. [key, des.]

Mesoleius mellipes Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Mesoleius mellipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Mesoleius mellipes Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

Subfamily 6. MESOLEIINAE

Tribe 6. EURYPROCTINI

SYNOMELIX Foerster

Zemiophora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203. New synonymy.

Genotype: *Tryphon scutulatus* Hartig.

Synomelix Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Synomelix sieboldii* Kriechbaumer.

Zemiophorus Thomson, Opusc. Ent., 1894, 19: 2000.

Genotype: *Tryphon scutulatus* Hartig.

Synomelix fasciata (Davis) new combination

Dialges fasciatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♂. [key, o.d., Mass. (A.N.S.P.)]

Synomelix longitarsis (Ashmead) new combination

Synchnoportus longitarsis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

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Synomelix obesa (Davis) new combination

Stiphrosomus obesa Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., Va. (A.N.S.P.)]

Stiphrosomus obesus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Synomelix signatipes (Cresson) new combination

Tryphon signatipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)]

Trematopygus signatipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♀. [key, des.]

DIALGES Foerster

Trophoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.
New synonymy.

Genotype: *Tryphon xanthostomus* Gravenhorst.

Pantorhaestes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon xanthostomus* Gravenhorst.

Dialges Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Dialges frontalis* Davis.

Dialges frontalis Davis

Dialges frontalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 285. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich., Colo., Ind.]

Dialges frontalis Nason, Ent. News, 1905, 16: 170. [Ill.]

Dialges frontalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293.
[key]

Dialges frontalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Dialges frontalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.
[N.Y.]

Dialges frontalis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Dialges rivalis Davis

Dialges frontalis var. *rivalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♀.
[key, o.d., Philadelphia, Pa. (A.N.S.P.), Mich.]

Dialges rivalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]

Dialges frontalis var. *rivalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 293. [key]

Dialges tricolor Davis, new combination

Dialges frontalis var. *tricolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 285.
♂, ♀. [key, o.d., Mont. (A.N.S.P.), Ill., Mass., N.H.]

Dialges frontalis var. *tricolor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1:
134. [Me.]

MESOLEPTIDEA Viereck

Mesoleptus of authors, not of the genotype.

Mesoleptidea Viereck, Proc. Ent. Soc. Wash., 1912, 14: 176.

Genotype: *Mesoleptus cingulatus* Gravenhorst.

Mesoleptidea decens (Cresson)

Mesoleptus decens Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂. [o.d., W.Va. (A.N.S.P.), Conn.]

Mesoleptus decens Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, des., Que.]

Mesoleptus decens Provancher, Addit. Faune Canada, Hymén., 1886, p. 93. [key]

Mesoleptus decens Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, des., Colo., Conn., N.H., Va.]

Mesoleptus decens Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.Y.]

Eclytus decens Dalla Torre, Cat. Hymén., 1901, 3: 379. [syn. (in part)]

Mesoleptidea decens Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

Mesoleptidea decens Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Mesoleptidea decens Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 945. [N.Y.]

Mesoleptus decens Walley, Canad. Ent., 1933, 65: 255. [syn.]

Mesoleptidea kodiakensis (Ashmead) new combination

Hypocryptus kodiakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]

Mesoleptidea unalaskae (Ashmead) new combination

Mesoleptus unalaskae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 210. ♀. [o.d., Unalaska, Alaska (U.S.N.M.)]

POLYTERUS Foerster

Sychnoportus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208. New synonymy.

Genotype: (*Sychnoportus rufopectus* Ashmead) = *olympiae* Ashmead.

Listrota Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New synonymy.

Genotype: *Phobetes canadensis* Harrington.

Polyterus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.

Genotype: *Polyterus franconiaensis* Davis.

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Camponastes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.

New synonymy.

Genotype: *Camponastes basilicus* Davis.

***Polyterus basilicus* (Davis) new combination**

Camponastes basilicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 292. ♀. [o.d., Vt. (A.N.S.P.)]

***Polyterus canadensis* (Davis) new combination**

Phobetes canadensis Harrington, Canad. Ent., 1894, 26: 248. ♀. [o.d., Victoria, B.C. (C.N.C.)]

Listrota canadensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀. [des.]

***Polyterus consors* (Davis) new combination**

Mesoleius consors Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key, o.d., N.H. (A.N.S.P.)]

***Polyterus franconiaensis* Davis**

Polyterus franconiaensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀. [o.d., Franconia, N.H. (A.N.S.P.)]

***Polyterus olympiae* (Ashmead)**

Mesoleius olympiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199. ♀. [o.d., host e, Olympia, Wash. (U.S.N.M.)]

Sychnoportus rufopectus Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂. [o.d., host d, Canobie Lake, N.H. (U.S.N.M.)] New synonymy.

Sychnoportus rufopectus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host c, N.H.]

Polyterus olympiae Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂, ♀. [des.]

Hypamblys olympiae Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 321. [syn.]

Polyterus olympiae Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23. [host a, Va.]

Polyterus olympiae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [host b, N.Y.]

TENTHREDINIDAE: a, *Nematus alnivora*; b, *Nematus ventralis*; c, tenthredinid on *Populus tremuloides*; d, tenthredinid. Miscellaneous: e, sawfly on *Salix* sp.

***Polyterus virginienensis* (Ashmead) new combination**

Bassus virginienensis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♀. [o.d., Va. (U.S.N.M.)]

Tryphon virginienensis Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

- Holmgrenia virginiensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀.
[key, des.]
- Mesoleius puritanicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key,
o.d., N.H. (A.N.S.P.)] New synonymy.
- Polyterus albipectus* Walley, Canad. Ent., 1937, 69: 192. ♂, ♀. [o.d.,
Cascapedia River, Gaspé Co., Que. (C.N.C.)] New synonymy.
- Holmgrenia virginiensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SYNDIPNUS Foerster

- Polybystis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208.
Genotype: *Tryphon lateralis* Gravenhorst.
- Syndipnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.
Genotype: *Euryproctus* (*Syndipnus*) *macrocerus* Thomson.
- Tlemon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New
synonymy.
Genotype: *Tlemon delicatus* Ashmead.
- Neastus* Holmgren, Ent. Tidskr., 1883, 4: 154.
Genotype: *Neastus laeviceps* Holmgren.
- Anaglymmus* Roman, Arkiv för Zoologi, 1914, 9, no. 2: 3. New synonymy.
Genotype: *Anaglymmus incisus* Roman.

Syndipnus alaskensis Walley

- Syndipnus alaskensis* Walley, Canad. Ent., 1940, 72: 138. ♂, ♀. [key, o.d.,
Mt. McKinley National Park, Alaska (U.S.N.M.), N.W. Terr.]

Syndipnus delicatus (Ashmead) new combination

- Tlemon delicatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d.,
Kukak Bay, Alaska (U.S.N.M.)]

Syndipnus gaspesianus (Provancher)

- Tryphon gaspesianus* Provancher, Nat. Canad., 1879, 11: 252; (Faune p. 410).
♀. [key, o.d., Douglastown, Que. (M.P.Q.)]
- Polyblastus gaspesianus* Provancher, Addit. Faune Canada, Hymén., 1886, p.
107. [key]
- Tryphon gaspesianus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189, 190.
[syn.]
- Tryphon gaspesianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]
- Syndipnus gaspesianus* Walley, Canad. Ent., 1940, 72: 143. ♂, ♀. [key,
des., fig., host a, Que.]
- TENTHREDINIDAE: a, *Pikonema alaskensis*.

Syndipnus lateralis (Gravenhorst)

Tryphon lateralis Gravenhorst, Ichneum. Europeae, 1829, 1: 690. [o.d., Netley, England (?Breslau Mus.)]

Syndipnus lateralis Pfankuch, Ztschr. Hymen. Dipt., 1907, 7: 19. [syn., des.]

Syndipnus lateralis Walley, Canad. Ent., 1940, 72: 137. ♂, ♀. [key, des., fig., host *a*, Alta., ?Colo., N.Y.]

TENTHREDINIDAE: *a*, *Pachynematus affinis*.

Syndipnus pannicularius (Holmgren)

Mesoleius pannicularius Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 178.

♀. [o.d., Qvickjock, Lappland, Sweden (type lost?)]

Syndipnus pannicularius Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 315. [syn.]

Syndipnus pannicularius Walley, Canad. Ent., 1940, 72: 138. ♀. [key, des., fig., Alaska]

Syndipnus probatus Walley

Syndipnus probatus Walley, Canad. Ent., 1940, 72: 144. ♂, ♀. [key, o.d., fig., host *a*, Plattsburg, N.Y. (U.S.N.M.), ?Calif.]

TENTHREDINIDAE: *a*, *Nematus vertebratus*.

Syndipnus rubiginosus Walley

Syndipnus rubiginosus Walley, Canad. Ent., 1940, 72: 140. ♂, ♀. [key, o.d., fig., host *a b*, Kelly's Camp, Cascapedia River, Gaspé Co., Que. (C.N.C.), N.B., Sask.]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

Syndipnus ungavae Walley

Syndipnus ungavae Walley, Canad. Ent., 1940, 72: 139. ♀. [key, o.d., fig., Port Burwell, Hudson Strait, Que. (C.N.C.)]

HYPAMBLYS Foerster

Hypamblys Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.

Genotype: (*Mesoleius transfuga* Holmgren) = *albopictus* Gravenhorst.

Hypamblys albifacies (Provancher) new combination

Mesostenus albifacies Provancher, Addit. Faune Canada, Hymén., 1888, p. 362.

♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Mesoleptus albifacies Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

Mesoleptus albifacies Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Hypamblys albopictus (Gravenhorst)

Tryphon albopictus Gravenhorst, Ichneum. Europeae, 1829, 2: 255. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]

Mesoleius transfuga Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 164. ♂, ♀. [o.d., southern Lappland (?Stockholm Mus.)]

Euryproctus transfuga Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Calliphururus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Calliphururus glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Juneau, Alaska (U.S.N.M.)] New synonymy.

Hypamblys albopictus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2791. [key, syn., des., host, northern and central Europe]

Hypamblys albopictus Roman, Arkiv. för Zoologi, 1916, 10, no. 22: 3. [Lundbeck determination queried]

Mesoleius gymnonychi Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host b, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Calliphururus popofensis Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 419. [host a, Me.]

TENTHREDINIDAE: a, *Caliroa cerasi*; b, *Pristiphora californica*.

Hypamblys conformis (Walley) new combination

Ipoctonus conformis Walley, Canad. Ent., 1933, 65: 257. ♂, ♀. [o.d., Turkey Point, Norfolk Co., Ont. (C.N.C.)]

Ipoctonus conformis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

IPOCTONINUS Hincks

Ipoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. Preoccupied by Heine, 1860.

Genotype: *Ichneumon chrysostomus* Gravenhorst.

Ipoctoninus Hincks, Trans. Ent. Soc. London, 1944, (B) 13: 35. New name for *Ipoctonus* Foerster.

Ipoctoninus egregius (Davis) new combination

Mesoleptus egregius Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Wash. (A.N.S.P.)]

Ipoctoninus striatus (Davis) new combination

Mesoleptus striatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂. [key, o.d., Colo. (A.N.S.P.)]

Mesoleptus torpens Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo.] New synonymy.

Mesoleptus scrupulosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Nev.] New synonymy.

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Mesoleius balteatus Cushman, Proc. U. S. Nat. Mus., 1919, 55: 541. ♀. [o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

Mesoleius balteatus Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3, fig. 10 B. [biol.]

TENTHREDINIDAE: *a*, *Amelastegia glabrata*.

Ipoctoninus unicolor (Provancher) new combination

Campoplex unicolor Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus uniformis Provancher, Nat. Canad., 1879, 11: 232; (Faune p. 405). [key, des.] New name for *Campoplex unicolor* Provancher.

Mesoleptus uniformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [syn.]

Mesoleptus uniformis Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

HYPERALLUS Foerster

Hyperallus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Hyperallus caliroae* Viereck.

Hyperallus caliroae Viereck

Hyperallus caliroae Viereck, Proc. U. S. Nat. Mus., 1911, 40: 189. ♂, ♀. [o.d., host *a*, Tallulah, La. (U.S.N.M.)]

Hyperallus caliroae Cushman, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 97, part 5: 101-102. [fig., biol., host *a*, La.]

TENTHREDINIDAE: *a*, *Caliroa amygdalina*.

Hyperallus virginiensis new name

Polyterus caliroae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 221. ♂. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)] Preoccupied in *Hyperallus* by Viereck, 1911.

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Quercus rubra*.

ANISOTACRUS Schmiedeknecht

Anisotacrus Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2710, 2725.

Genotype: *Mesoleius tenellus* Holmgren.

Anisotacrus assiduus (Cresson) new combination

Mesoleptus assiduus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂. [o.d., Mass. (A.N.S.P.)]

Clepsiorthus assiduus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Mass., Mont.]

Pantorhaestes assiduus Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 313. [syn.]

Anisotacrus excavatus (Davis) new combination

Erigloea excavata Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., Mont. (A.N.S.P.), Mass.]

Anisotacrus flavifrons (Cresson) new combination

Mesoleptus flavifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., N.J. (A.N.S.P.)]

Zemiodes flavifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂. [key, des.]

Zemiodes flavifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

Zemiodes flavifrons Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [des.]

Anisotacrus popofensis (Ashmead) new combination

Hypocryptus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♀ (not ♂). [key, o.d., Popof Is., Alaska (U.S.N.M.)]

Anisotacrus spatiosus (Davis) new combination

Syncoleter spatiosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [o.d., Canada (A.N.S.P.)]

Anisotacrus truncatus (Davis) new combination

Clepsiorthus truncatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, o.d., Mont. (A.N.S.P.), Canada]

HADRODACTYLUS Foerster

Hadrodactylus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.
Genotype: *Ichneumon typhae* Fourcroy.

Zemiodes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.
Genotype: (*Zemiodes coloradensis* Davis) = *inceptus* Cresson.

Gunomeria Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 625.
Genotype: *Mesoleptus* (*Gausocentrus*) *macrodactylus* Holmgren.

Hadrodactylus coxatus Davis, new combination

Hadrodactylus elongatus var. *coxatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., Mich. (A.N.S.P.), N.Y., S.D.]

Hadrodactylus elongatus (Cresson)

Mesoleptus elongatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀. [o.d., Mass. (A.N.S.P.)]

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Hadrodactylus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.
[key, syn., des. (in part) Canada, Mass., Mich., Nev.]

Hadrodactylus elongatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Hadrodactylus femoratus* Davis, new combination**

Hadrodactylus elongatus var. *femoratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.), Colo., Ida., Mich.]

Hypocryptus seldoviae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂, ♀.
[key, o.d., Alaska (U.S.N.M.)] New synonymy.

Hadrodactylus seldoviae Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 307. [syn.]

Hadrodactylus elongatus var. *femoratus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

Hadrodactylus elongatus var. *femoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Hadrodactylus elongatus var. *femoratus* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Hadrodactylus flavicornis* (Provancher) new combination**

Mesoleptus flavicornis Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). ♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus flavicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus flavicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

***Hadrodactylus inceptus* (Cresson)**

Mesoleptus inceptus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀.
[o.d., Mass. (A.N.S.P.); Conn.]

Mesoleptus propinquus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂.
[o.d., Del. (A.N.S.P.), Mass.] New synonymy.

Mesoleptus eximius Provancher, Nat. Canad., 1875, 7: 271. ♂. [Que.] Mis-determined.

Mesoleptus Sancti-Hyacinthi Provancher, Nat. Canad., 1875, 7: 251, 272. ♂.
[key, o.d., Mt. Yamaska, Que. (M.P.Q.)]

Mesoleptus inceptus Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 339). [key, syn., des.]

Mesoleptus inceptus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Synoecetes propinquus Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂.
[key, des., Del., Mass.]

Hadrodactylus inceptus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.
[key, des., Canada, Colo., Mass., Mont., Nev., N.H., Wash.]

Zemiodus coloradensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.)] New synonymy.

Mesoleptus inceptus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576.
[N.J.]

Synoecetes propinquus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.
[N.J.]

Hadrodactylus inceptus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
290. [key]

Synoecetes propinquus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
295. [key]

Hadrodactylus inceptus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.
[Me.]

Hadrodactylus inceptus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.
[Alta.]

Hadrodactylus inceptus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Hadrodactylus laurentianus* (Provancher) new combination**

Tryphon laurentianus Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d.,
Que. (M.P.Q.)]

Mesoleptus laurentianus Provancher, Nat. Canad., 1879, 11: 226; (Faune p.
339). [key, syn., des.]

Mesoleptus laurentianus Provancher, Addit. Faune Canada, Hymén., 1886, p.
94. [key]

Mesoleptus laurentianus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

***Hadrodactylus longicornis* (Cresson)**

Mesoleptus longicornis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♂. [o.d.,
Del. (A.N.S.P.)]

Mesoleptus longicornis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Del., Me.]

Hadrodactylus longicornis Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀.
[key, des., Colo., Del., Me., Mass.]

Hadrodactylus longicornis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
290. [key, des.]

***Hadrodactylus magnacornis* (Davis) new combination**

Zemiods magnacornis Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂.
[o.d., Wash. (A.N.S.P.)]

***Hadrodactylus seminiger* (Provancher)**

Paniscus seminiger Provancher, Nat. Canad., 1874, 6: 107. ♂, ♀. [key, o.d.,
Que. (M.P.Q.)]

Mesoleptus seminiger Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403).
[key, des.]

Mesoleptus seminiger Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.
[key]

- Hadrodactylus ruficornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♀.
[key, o.d., Colo. (A.N.S.P.), Mont., Nev.]
- Alexeter seminiger* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀.
[key, des.]
- Clepsiorthus? seminiger* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.
[syn.]
- Alexeter seminiger* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Hadrodactylus seminiger* Townes, Lloydia, 1939, 1: 222. [syn.]

***Hadrodactylus tibialis* (Ashmead) new combination**

- Hypocryptus tibialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Hadrodactylus typhae* (Fourcroy) ***

- Ichneumon typhae* Fourcroy, Entomologica Parisiensis, 1785, 2: 413. [o.d., (?Paris, France) (location of type unknown)] †
- Hadrodactylus typhae* Kriechbaumer, Ent. Nachr., 1891, 17: 133. ♂, ♀.
[des., Europe]
- Hadrodactylus typhae* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 308. [key, des., Ky., Sweden]

***Hadrodactylus variegatipes* (Ashmead) new combination**

- Hypocryptus variegatipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂.
[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

EURYPROCTUS Holmgren

- Euryproctus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 109.

Genotype: *Mesoleptus annulatus* Gravenhorst.

- Fovaya* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 341.

Genotype: *Fovaya annulicornis* Cameron

***Euryproctus albocinctus* Davis**

- Euryproctus albocinctus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

***Euryproctus albopunctus* Davis**

- Euryproctus albopunctus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♂, ♀.
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

* Occurrence in the Nearctic Region needs confirmation.

† This reference not seen.

Euryproctus annulatipes (Provancher) new combination

Mesoleptus annulatipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 96.

♂. [key, o.d., Sherbrook, Que. (M.P.Q.)]

Mesoleptus annulatipes Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Euryproctus bituminosus Davis

Euryproctus bituminosus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.

[key, o.d., N.H. (A.N.S.P.)]

Euryproctus clavatus (Provancher)

Exetastes clavatus Provancher, Faune Ent. Canada, Hymén., 1883, p. 386. ♀.

[key, o.d., Cap Rouge, Que. (type lost)]

Euryproctus clavatus Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

Euryproctus curvator Davis

Tryphon annulatus Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Euryproctus* by Gravenhorst, 1829.

Mesoleptus annulatus Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). [key, des.]

Mesoleptus annulatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Hadrodactylus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. [syn. (in part)]

Euryproctus curvator Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂. [key, des., Canada (A.N.S.P.), Hudson Bay Terr., N.H.]

Euryproctus curvator Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Euryproctus dakotaensis Davis

Euryproctus dakotaensis Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♂. [key, o.d., Brookings, S.D. (A.N.S.P.)]

Euryproctus depressus (Provancher) new combination

Mesoleptus depressus Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus depressus Provancher, Nat. Canad., 1875, 7: 272. [key]

Mesoleptus depressus Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 399). [key, des.]

Mesoleptus depressus Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Ipoctonus depressus Davis, Trans. Amer. Ent. Soc., 1898, 24: 313. ♂. [des., Mass.]

Stiphrosomus fucatus Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

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Euryproctus latigaster (Provancher) new combination

Mesostenus latigaster Provancher, Addit. Faune Canada, Hymén., 1886, p. 77.

♀. [o.d., Ottawa, Ont. (C.N.C.)]

Tryphon latigaster Davis, Canad. Ent., 1895, 27: 288. [syn.]

(*Tryphonini*) *latigaster* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]

Euryproctus longicornis (Provancher) new combination

Mesostenus longicornis Provancher, Nat. Canad., 1874, 6: 300. ♂. [key, o.d., Que. (type lost)]

Tryphon Moyeni Provancher, Nat. Canad., 1875, 7: 120. ♂. [key, o.d., Que. (M.P.Q.)]

Mesostenus longicornis Provancher, Nat. Canad., 1875, 7: 267. [key]

Mesoleptus Moyeni Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

Mesoleptus Moyeni Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Mesoleptus perditus Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Euryproctus moyeni Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂, ♀. [key, syn., des., Canada, N.H.]

Euryproctus moyeni Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Euryproctus longipes (Provancher) new combination

Mesoleptus longipes Provancher, Nat. Canad., 1875, 7: 271, 272. ♂. [key, o.d., Que. (M.P.Q.)]

Mesoleptus Moyeni Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

Euryproctus petiolatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

Euryproctus petiolatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Euryproctus petiolatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

Euryproctus puritanicus Davis

Euryproctus puritanicus Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mass. (A.N.S.P.)]

Euryproctus ramis Davis

Euryproctus ramis Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Colo. (A.N.S.P.)]

Euryproctus sessilis Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

Euryproctus sentinis Davis

Euryproctus sentinis Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

Euryproctus rufopictus Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

Euryproctus sentiris (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn. (in part)]

Subfamily 6. MESOLEIINAE

Tribe 7. CALLIDIOTINI

CALLIDIOTES Foerster

Delolytus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 189.

Genotype: (*Atractodes varicornis* Holmgren) = *coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

Callidiotes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Mesoleptus coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

Oxytorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Oxytorus armatus* Thomson.

Paracanidia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 642. New synonymy.

Genotype: (*Paracanidia elyi* Viereck) = *antennatus* Cresson.

Prosmoridea Cushman, Proc. Ent. Soc. Wash., 1915, 17: 191. New synonymy.

Genotype: *Prosmorus elongatus* Davis.

Callidiotes albopleuralis (Provancher)

Mesoleptus albopleuralis Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). ♂. [key, o.d., Que. (M.P.Q.)]

Atractodes nitens Provancher, Nat. Canad., 1882, 13: 368; (Faune p. 790). ♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

Mesoleptus albopleuralis Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

Atractodes? albopleuralis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Prosmosus punctifrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀ (not ♂). [key, o.d., Canada (A.N.S.P.)] New synonymy.

Callidiotes albopleuralis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Callidiotes albopleuralis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

Callidiotes albopleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

Callidiotes antennatus (Cresson) new combination

Mesoleptus antennatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 272. ♂. [o.d., Del. (A.N.S.P.)]

Mesoleptus facetus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♂. [o.d., W.Va. (A.N.S.P.)]

Mesoleptus rufomixtus Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂, ♀. [key, o.d., Ottawa, Ont. or Cap Rouge, Que. (C.N.C.)] New synonymy.

Mesoleptus filiformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, o.d., Knowlton, Que. (M.P.Q.)] New synonymy.

Cryptus filiformis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Mesoleptus rufomixtus Davis, Canad. Ent., 1895, 27: 289. [syn.]

Oxytorus antennatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂. [syn., des., Del., La., W.Va.]

Mesoleptus rufomixtus Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Cryptus Genelinii Dalla Torre, Cat. Hymen., 1902, 3: 573. New name for *Mesoleptus filiformis* Provancher.

Paracanidia elyi Viereck, Proc. U. S. Nat. Mus., 1912, 42: 643. ♀. [o.d., East River, Conn. (U.S.N.M.)] New synonymy.

Paracanidia elyi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273. [des.]

Oxytorus antennatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [des.]

Paracanidia elyi Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

Callidiotes elongata (Davis) new combination

Prosmosus elongatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [key, o.d., Tex. (U.S.N.M.)]

Prosmoridea elongata Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. [syn.]

Prosmosus elongatus Brimley, Insects of N.C., 1938, p. 412. [N.C.]

Subfamily 7. PLECTISCINAE

ALLOMACRUS * Foerster

Allomacrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 117.

Genotype: *Allomacrus pimplarius* Thomson.

* An undescribed Nearctic species of this genus is in the Townes Collection.

CYLLOCERIA Schiödte

Cylloceria Schiödte, Rev. Zool. (Soc. Cuv.), 1838, p. 140.

Genotype: *Phytodietus caligatus* Gravenhorst.

Chalinoceras Ratzeburg, Ichneum. Forstins., 1852, 3: 130.

Genotype: (*Chalinoceras longicornis* Ratzeburg) = *melancholica* Gravenhorst.

Xenacis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Lissonota caligata* Gravenhorst.

Cylloceria lugubris (Cresson) new combination

Lampronota? *lugubris* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀.
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

Cylloceria fuscolina Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂. [o.d.,
Colo. (type lost)]

Lampronota fuscolina Dalla Torre, Cat. Hymen., 1901, 3: 515. [syn.]

Lampronota lugubris Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 195. [syn.,
Alaska]

Cylloceria nodosa Walley

Cylloceria nodosa Walley, Canad. Ent., 1941, 73: 166. ♂, ♀. [o.d., Churchill,
Man. (C.N.C.), Alaska]

Cylloceria sexlineata (Say)

Anomalon sexlineata Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 74;
(Leconte Ed. 1: 378). ♀. [o.d., Ind. (type destroyed)]

Cylloceria occidentalis Cresson, Trans. Amer. Ent. Soc., 1870, 3: 160. ♂, ♀.
[o.d., Pa. (A.N.S.P.), Conn., Ill., W.Va.] New synonymy.

Cylloceria occidentalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 114. ♂, ♀.
[des.]

Cylloceria occidentalis Provancher, Nat. Canad., 1875, 7: 142. [Que.]

Cylloceria occidentalis Provancher, Nat. Canad., 1880, 12: 47; (Faune p. 468).
[key, des.]

Cylloceria occidentalis Slosson, Ent. News, 1895, 6: 317. [N.H.]

Lampronota sexcarinata Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. ♀.
[o.d., Mich. (A.N.S.P.)]

Cylloceria occidentalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Cylloceria occidentalis Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

Lampronota occidentalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
571. [N.Y.]

Lampronota errans Dalla Torre, Cat. Hymen., 1901, 3: 515. New name for
Cylloceria occidentalis Cresson.

Lampronota aciculata Cameron, Invertebrata Pacifica, 1903, 1: 129. ♀. [o.d.,
Gunnison, Colo. (British Mus.)] New synonymy.

Cylloceria occidentalis Nason, Ent. News, 1905, 16: 172. [Ill.]

- Lampronota punctata* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [syn. (in part)]
- Cylloceria sexlineata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157. [syn., des., W.Va.]
- Cylloceria occidentalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Cylloceria sexlineata* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
- Cylloceria errans* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Cylloceria occidentalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]
- Cylloceria occidentalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria sexlineata* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria occidentalis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Cylloceria sexlineata* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

BLAPTICUS * Foerster

- Blapticus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.
Genotype: *Blapticus leucostomus* Foerster.

CATASTENUS * Foerster

- Catastenus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.
Genotype: *Catastenus femoralis* Foerster.

DALLATORREA Ashmead

- Dallatorrea* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205.
Genotype: *Dallatorrea armata* Ashmead.
- Cymodusoides* Viereck, Canad. Ent., 1925, 57: 74. New synonymy.
Genotype: *Cymodusoides gracilis* Viereck.

Dallatorrea armata Ashmead

- Dallatorrea armata* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205. ♂. [o.d., fig., Sitka, Alaska (U.S.N.M.)]
- Cymodusoides plesius* Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Orillia, Ont. (C.N.C.)] New synonymy.
- Dallatorrea armata* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

* Undescribed Nearctic species of this genus are in the Townes Collection.

Dallatorrea gracilis (Viereck) new combination

Cymodusoides gracilis Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Aylmer, Que. (C.N.C.)]

Dallatorrea rufula (Provancher) new combination

Phygadeuon rufulus Provancher, Nat. Canad., 1879, 11: 76; (Faune p. 322).

♀. [key, o.d., Que. (M.P.Q.)]

Mesoleptus rufulus Provancher, Nat. Canad., 1879, 11: 229; (Faune p. 402).

[key, syn.]

Mesoleptus rufulus Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.

[key]

Phygadeuon rufulus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Catstenus rufulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂, ♀. [key, des., Canada, N.H.]

Symplecis rufulus Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

SYMPLECIS Foerster

Symplecis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: *Symplecis alticola* Foerster.

Symplecis sitkensis (Ashmead) new combination

Stiboscopus sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂.

[key, o.d., Sitka, Alaska (U.S.N.M.)]

EUSTERINX Foerster

Eusterinx Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Eusterinx oligomera* Foerster.

Trestis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174. New synonymy.

Genotype: (*Thestis* (!) *tricincta* Ashmead) = *trifasciata* Ashmead.

Eusterinx compressa (Cushman) new combination

Diatora compressa Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Polyaulon compressum Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 24.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Eusterinx fungicola (Ashmead) new combination

Mesoleptus fungicola Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 35.

[host *a*, Ohio]

Mesoleptus fungicola Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50.

♂. [o.d., host *a*, Wooster, Ohio (U.S.N.M.)]

FUNGIVORIDAE: *a*, insect in *Polyporus applanatus*.

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Eusterinx trifasciata (Ashmead) new combination

Catastenus trifasciatus Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336.

♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

Thestis (!) *tricincta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 187. ♀. [o.d., Alaska (U.S.N.M.)] New synonymy.

Catastenus trifasciatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. [Alaska]

Catastenus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♂, ♀.

[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Symplecis trifasciatus Szépligeti, Genera Insect., 1911, 114: 55. [syn.]

MEGASTYLUS Schiödte

Megastylus Schiödte, Guérin's Mag. Zool., 1838, 1: 139.

Genotype: *Megastylus cruentator* Schiödte.

Brephoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Plectiscus impurator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 79.

Letosha Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 725.

Genotype: *Letosha longicoxis* Cameron.

Megastylus albocollaris (Cresson)

Mesoleptus (*Megastylus*?) *albocollaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♀. [o.d., Ill. (A.N.S.P.)]

Orthocentrus albofasciatus Provancher, Nat. Canad., 1883, 14: 13; (Faune p. 800). ♀. [o.d., Que. (M.P.Q.)]

Megastylus? *albofasciatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]

Megastylus albocollaris Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂, ♀. [des., Canada, Ill.]

Aperileptus pleuralis Slosson, Ent. News, 1902, 13: 221. [N.H.] Nomen nudum.

Megastylus ashmeadi Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 18.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

New synonymy.

Megastylus albocollaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Megastylus caseyi (Ashmead)

Spanotecnus caseyi Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Norfolk, Va. (U.S.N.M.)]

Megastylus caseyi Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂. [des.]

Megastylus caseyi Brimley, Suppl. Insects of N.C., 1942, p. 32. [host a, N.C.]

FUNGIVORIDAE: a, *Zelmira inops*.

HELICTES Haliday

Helictes Haliday, in Curtis: Guide Arrang. Brit. Ins., Ed. 2, 1837, p. 106; Ann. Nat. Hist., 1838, (2), 8: 115.

Genotype: *Ichneumon erythrostoma* Gmelin.

Idioxenus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.

Genotype: *Megastylus mediator* Schiödte.

Myriarthrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172, 218.

Genotype: (*Plectiscus erythrostoma* Gravenhorst) = *erythrostoma* Gmelin.

Paipila Cameron, Trans. Amer. Ent. Soc., 1905, 20: 358.

Genotype: *Paipila longipes* Cameron.

Helictes ruficornis Davis

Helictes ruficornis Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀ (not ♂). [o.d., Algonquin, Ill. (A.N.S.P.)]

ANISERES Foerster

Aniseres Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 73, 92.

Genotype: *Aniseres pallipes* Foerster.

Aniseres lubricus Foerster

Aniseres lubricus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 93. ♂. [o.d., Aachen, Germany (?Vienna Mus.)]

Aniseres lubricus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

PROCLITUS Foerster

Clepticus Haliday, Ann. Nat. Hist., 1838, 2: 116. Preoccupied by Cuvier, 1829.

Genotype: *Clepticus praetor* Haliday.

Proclitus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Proclitus grandis* Foerster.

Mischoxorides Ashmead, Canad. Ent., 1900, 32: 368. New name for *Clepticus* Haliday.

Proclitus longicaudus (Provancher)

Cremastus longicaudus Provancher, Nat. Canad., 1882, 13: 367; (Faune p. 789).

♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

Atractodes? longicaudus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Proclitus longicaudus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn., des.]

Proclitus longicaudus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Proclitus longicaudus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

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Proclitus royi (Provancher)

Cremastus royi Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788). ♂, ♀.
[key, o.d., Que. (M.P.Q.)]

Atractodes? royi Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Proclitus royi Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]

Proclitus royi Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

PLECTISCIDEA Viereck

Plectiscus authors, not of the genotype.

Plectiscidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118.

Genotype: *Plectiscus collaris* Gravenhorst.

Plectiscidea arcticus (Roman) new combination

Plectiscus arcticus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. ♀.
[o.d., Matuola, Greenland (?Stockholm Mus.)]

Plectiscidea carinata (Provancher) new combination

Orthocentrus carinatus Provancher, Nat. Canad., 1879, 11: 281; (Faune p. 436).
♂. [key, o.d., Que. (M.P.Q.)]

Orthocentrus carinatus Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Atmetus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key,
syn. (in part), des. Canada, Colo., Ill., Mich.]

Orthocentrus carinatus Slosson, Ent. News, 1897, 8: 237. [N.H.]

Atmetus carinatus Nason, Ent. News, 1905, 16: 169. [Ill.]

Plectiscus carinatus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Atmetus carinatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Plectiscidea collaris (Gravenhorst)

Plectiscus collaris Gravenhorst, Ichneum. Europeae, 1829, 2: 987. ♀. [o.d.,
Sickershausen, Germany (?Breslau Mus.)]

Plectiscus collaris Lundbeck, Vidensk. Medd. Nat. For. København, (1896),
1897, p. 234. [Greenland]

Plectiscidea collaris Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118. [syn.]

Plectiscus collaris Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe,
Greenland]

Plectiscidea glabrifrons (Davis) new combination

Catastenus glabrifrons Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂.
[key, des., Algonquin, Ill. (A.N.S.P.)]

Symplecis glabrifrons Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

Plectiscidea humeralis (Provancher) new combination

Mesochorus humeralis Provancher, Nat. Canad., 1883, 14: 4; (Faune p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

Atractodes? humeralis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Plectiscidea hyperboreus (Holmgren) new combination

Plectiscus hyperboreus Holmgren, Svensk. Vet.-Akad. Handl., 1869, 8, pt. 5: 21, ♂, ♀. [o.d., Green Harbor, Spitzbergen Is. (Stockholm Mus.)]

Plectiscus bistriatus Thomson, Opusc. Ent., 1888, 12: 1299. ♂, ♀. [o.d., "vid Örtofta nära Lund" (?Lund Mus.)]

Plectiscus sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Plectiscus bistriatus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Plectiscus bistriatus Nielsen, Medd. om Grønland, 1907, 29: 386. [Greenland]

Plectiscus hyperboreus Roman, Archiv för Zoologi, 1916, 10, no. 22: 9. ♂, ♀. [syn., des.]

Plectiscus hyperboreus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

Plectiscidea lurida (Foerster) new combination

Pantisarthrus luridus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28, pt. 3: 110. [o.d. in key, Aachen, Germany (?Vienna Mus.)]

Plectiscus luridus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

Plectiscus luridus Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

Plectiscidea nasoni (Davis) new combination

Miomeris nasoni Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

Plectiscidea nigra (Provancher) new combination

Plectiscus niger Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Plectiscus niger Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂, ♀. [key, des.]

Plectiscidea orcae (Ashmead) new combination

Plectiscus orcae Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♀. [o.d., Orca, Alaska (U.S.N.M.)]

Plectiscidea parva (Cushman) new combination

Aperilaptus (!) *parvus* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

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- Plectiscus parvus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 22. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]
Plectiscus parvus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Plectiscidea patula (Viereck) new combination

- Mesochorus areolatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♀. [o.d.,
Beulah, N.M. (A.N.S.P.)] Preoccupied by Provancher, 1883
Mesochorus patulus Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. New name
for *Mesochorus areolatus* Viereck.
Plectiscus patulus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

PANTISARTHURUS Foerster

- Pantisarthrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 74,
109.
Genotype: *Pantisarthrus inaequalis* Foerster.

Pantisarthrus dorsalis (Provancher) new combination

- Bassus dorsalis* Provancher, Addit. Faune Canada, Hymen., 1886, p. 112. ♀.
[o.d., Cap Rouge, Que. or Ottawa, Ont. (M.P.Q.)]
Plectiscus dorsalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
Hemiteles dorsalis Davis, Canad. Ent., 1895, 27: 290. [syn.]
Bassus dorsalis Walley, Canad. Ent., 1937, 69: 116. [syn.]

APERILEPTUS Foerster

- Aperileptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.
Genotype: *Plectiscus albipalpus* Gravenhorst.

Aperileptus gracilis (Provancher) new combination

- Phytodietus gracilis* Provancher, Nat. Canad., 1875, 7: 331. ♀. [o.d., Que.
(M.P.Q.)]
Plectiscus gracilis Provancher, Nat. Canad., 1879, 11: 210; (Faune p. 382).
[des.]
Plectiscus gracilis Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). [key]
Proedrus delicatus Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
Plectiscus gracilis Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀. [key, des.]
Aperileptus clypeatus Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.
Plectiscus gracilis Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]
Aperileptus (!) *clypeatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4.
♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.
Aperileptus delicatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 5. ♀.
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New
synonymy.
Aperileptus clypeatus Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

Aperileptus delicatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.
[Me.]

Aperileptus delicatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Aperileptus clypeatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

Aperileptus valerius (Davis) new combination

Catastenus valerius Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

Symplecis valerius Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

MICROLEPTES Gravenhorst

Microleptes Gravenhorst, Ichneum. Europeae, 1829, 1: 679.

Genotype: *Microleptes splendidulus* Gravenhorst.

Microleptes splendidulus Gravenhorst *

Microleptes splendidulus Gravenhorst, Ichneum. Europeae, 1829, 1: 679. ♀.
[o.d., Netley, England (?Breslau Mus.)]

HYPERACMUS Holmgren

Hyperacmus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322.

Genotype: *Exochus crassicornis* Gravenhorst.

Nothaima Cameron, Jour. Bombay Nat. Hist. Soc., 1902, 14: 429.

Genotype: (*Nothaima bicarinata* Cameron) = *crassicornis* Gravenhorst.

Hyperacmus crassicornis (Gravenhorst) †

Exochus crassicornis Gravenhorst, Ichneum. Europeae, 1829, 2: 347. ♀. [o.d., Volhynia, Europe (?Breslau Mus.)]

Hyperacmus crassicornis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322.
♀. [des., Sweden]

Subfamily 8. ORTHOCENTRINAE

ORTHOCENTRUS Gravenhorst

Orthocentrus Gravenhorst, Ichneum. Europeae, 1829, 3: 358.

Genotype: (*Orthocentrus fulvipes* Gravenhorst) = *anomalus* Gravenhorst.

* In the Townes Collection is a male, apparently of this species, from Cap Bon Ami, Gaspé, Que., collected Aug. 19, 1936 by Dr. E. G. Fisher.

† In the Townes Collection is a female of this species from Rock City, Cattaraugus Co., N.Y. collected July 1, 1916.

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Tapinops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Orthocentrus californicus* Ashmead) = *pusillus* Walsh.

Atmetus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Atmetus tetrazonatus* Ashmead.

Phaenosemus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Phaenosemus silkensis* Ashmead.

Exochiscus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 96.

Genotype: *Exochiscus pusillus* Walsh.

Pachyonyx Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 100. Preoccupied by Schoenherr, 1837.

Genotype: *Pachyonyx trifasciatus* Walsh.

***Orthocentrus decoratus* new name**

Atmetus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1890.

Atmetus californicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Calif.]

***Orthocentrus lucens* Provancher**

Orthocentrus lucens Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). ♀. [key, o.d., Cap Rouge, Que. (type lost)]

Orthocentrus lucens Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, des.]

***Orthocentrus protuberans* Holmgren**

Orthocentrus protuberans Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 333. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]

Atmetus insularis Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 337. ♂. [o.d., Copper Is., Alaska (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1894.

Atmetus insularis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [des., Alaska]

Orthocentrus protuberans Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 352. [syn., Sweden]

***Orthocentrus pusillus* (Walsh) new combination**

Exochiscus pusillus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 97. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)]

Alomya abdominalis Provancher, Nat. Canad., 1875, 7: 121. ♂, ♀. [o.d., Que. (M.P.Q.)]

- Orthocentrus Canadensis* Provancher, Nat. Canad., 1875, 7: 142. ♂. [o.d., Que. (M.P.Q.)] New synonymy.
- Orthocentrus Canadensis* Provancher, Nat. Canad., 1879, 11: 279; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1887, 16: 46. [Que.]
- Orthocentrus californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀. [o.d., Placer Co., Calif., (U.S.N.M.)]
- Tapinops californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. [syn.]
- Tapinops emarginatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♂, ♀. [syn., des., Calif., Canada, Ill., Mass., Mich., N.H., Ore. (misdetermined)]
- Orthocentrus medialis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Orthocentrus canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂. [key, des., Canada, Ill., Mich.]
- Camerotops asperus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Camerotops aspera* Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]
- Tapinops californicus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]
- Orthocentrus canadensis* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Orthocentrus canadensis* Slosson, Ent. News, 1906, 17: 324. [N.H.]
- Orthocentrus canadensis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Tapinops pusilla* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Tapinops pusillus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]
- Orthocentrus abdominalis* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host a, Que.]
- Orthocentrus canadensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- Tapinops pusillus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- DIPRIONIDAE: a, *Diprion hercyniae*.

***Orthocentrus repentinus* Holmgren**

- Orthocentrus repentinus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 327. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]
- Orthocentrus repentinus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. [des., Greenland]

***Orthocentrus rugulosus* (Provancher) new combination**

- Glypta rugulosa* Provancher, Nat. Canad., 1883, 14: 14; (Faune p. 801). ♀ (not ♂). [o.d., Que. (M.P.Q.)]
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Orthocentrus sitkensis (Ashmead) new combination

Phaenosemus sitkensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂.
[o.d., Sitka, Alaska (U.S.N.M.)]

Orthocentrus stigmatias (Walsh)

Pachyonyx stigmatias Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 101. ♂ (not ♀), [(?Ill.) (type destroyed)]

Orthocentrus stigmatias Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 101.
[syn.]

Stenomacrus? *stigmatias* Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀.
[key, des.]

Orthocentrus tetrazonatus (Ashmead) new combination

Atmetus tetrazonatus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀.
[o.d., West Cliff, Colo. (U.S.N.M.)]

Atmetus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀.
[key, syn., des., Canada, Colo., Ill., Mich. (in part)]

Atmetus tetrazonatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Orthocentrus trifasciatus (Walsh)

Pachyonyx trifasciatus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 100. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Orthocentrus trifasciatus Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 100.
[syn.]

Orthocentrus trifasciatus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Orthocentrus trifasciatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂, ♀.
[key, des.]

PICROSTIGEUS Foerster*

Picrostigeus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Orthocentrus* (*Picrostigeus*) *setiger* Thomson.

NEURATELES Ratzeburg

Neurateles Ratzeburg, Ichneum. Forstins. 1848, 2: 86.

Genotype: *Neurateles papyraceus* Ratzeburg.

Neurateles leucopsis (Ashmead)

Orthocentrus leucopsis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. ♂. [o.d.,
Brush Creek, Colo. (U.S.N.M.)]

Neurateles leucopsis Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [des.]

* An undescribed Nearctic species of this genus is in the Townes Collection.

MNESIDACUS Foerster

Mnesidacus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: (*Mnesidacus apicalis* Ashmead) = *nigricoxus* Provancher.

Mnesidacus nigricoxus (Provancher) new combination

Orthocentrus nigricoxus Provancher, Addit. Faune Canada, Hymén., 1888, p. 369. ♀. [o.d., Ottawa, Ont. (type lost)]

Mnesidacus (!) *apicalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. *♀. [o.d., Washington, D.C. (U.S.N.M.)]

Atmetus nigrinus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Columbus, Ohio (U.S.N.M.)] New synonymy.

Atmetus nigrinus Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Ill., Ohio]

Orthocentrus nigricoxus Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key, syn., des., Canada, D.C., Ill.]

Deleter flavifrons Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂. [o.d., Alaska (U.S.N.M.)] New synonymy.

Orthocentrus nigrinus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Orthocentrus nigricoxus Nason, Ent. News, 1905, 16: 169. [Ill.]

Atmetus nigrinus Nason, Ent. News, 1905, 16: 169. [Ill.]

Orthocentrus nigricoxus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305. ♂, ♀. [des.]

STENOMACRUS Foerster

Synoplus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159. New synonymy.

Genotype: *Synoplus brevipennis* Ashmead.

Hypoleptus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Hypoleptus columbianus* Ashmead.

Deleter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Deleter obscurus* Davis) = *americanus* Ashmead.

Stenomacrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Orthocentrus silvaticus* Holmgren.

Camarotops Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Neuratelus ulmicola* Ashmead.

Stenomacrus alaskensis (Ashmead) new combination

Hypoleptus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♂, ♀. [o.d., Alaska (U.S.N.M.)]

Hypoleptus glacialis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂, ♀. [o.d., Muir Inlet, Alaska (U.S.N.M.)] New synonymy.

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Stenomacrus americanus (Ashmead) new combination

Neuratelus americanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀.
[o.d., Fredericktown, Md. (U.S.N.M.)]

Deleter obscurus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d.,
Ill. (A.N.S.P.), Mich.] New synonymy.

Camerotops americanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀.
[key, des.]

Camerotops americana Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

Neurateles americana Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229, 232.
[syn.]

Deletar (!) *obscurus* Nason, Ent. News, 1905, 16: 168. [Ill.]

Stenomacrus borealis Ashmead

Stenomaerus (!) *borealis* Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 338. ♀.
[o.d., Bering Is., Alaska (U.S.N.M.)]

Stenomaerus (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232.
[Alaska]

Stenomacrus borealis? Brues, Canad. Arctic Exped. 1913-18, 1919, 3, G: 33.
[Hershel Is., Yukon Territory]

Stenomacrus brevipennis (Ashmead) new combination

Synoplus brevipennis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀.
[o.d., fig., St. Paul Is., Alaska (U.S.N.M.)]

Synoplus pleuralis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♀. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

Stenomacrus columbianus (Ashmead) new combination

Hypoleptus columbianus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂.
[o.d., D.C. (U.S.N.M.)]

Hypoleptus columbianus Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂.
[des.]

Hypoleptus columbianus Slosson, Ent. News, 1897, 8: 237. [N.H.]

Stenomacrus dubiosus (Ashmead) new combination

Neurateles dubiosus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂. [o.d.,
St. Paul Is., Alaska (U.S.N.M.)]

Stenomacrus hastatus Davis

Stenomacrus hastatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀. [key,
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

Stenomacrus hastatus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

Stenomacrus hygrotrechus (Viereck) new combination

Brephoctonus hygrotrecha Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
305. ♂, ♀. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Stenomacrus intritus Davis

Stenomacrus intritus Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♂. [key, o.d., Canada (U.S.N.M.)]

Stenomacrus kincaidi (Ashmead) new combination

Deleter kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂, ♀. [o.d., Belkofski, Alaska (U.S.N.M.)]

Stenomacrus kodiakensis (Ashmead) new combination

Camarotops kodiakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. ♀. [o.d., Kodiak, Alaska (U.S.N.M.)]

Stenomacrus laticollis (Holmgren)

Orthocentrus laticollis Holmgren, Ent. Tidskr., 1883, 4: 158. ♀. [o.d., Jugor Scharr, Vaigach Is., Russia (?Stockholm Mus.)]

Orthocentrus sp. Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15, pt. 4, no. 1: 29. [Greenland]

Orthocentrus sp. Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 232. [des., Greenland]

Stenomacrus laticollis Roman, Archiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [syn., des., Greenland]

Stenomacrus mellipes (Provancher) new combination

Bassus mellipes Provancher, Addit. Faune Canada, Hymén., 1888, p. 429. ♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

Syrphoctonus mellipes Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, des.]

Brephoctonus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Mountain View, Calif. (U.S.N.M.)] New synonymy.

Brephoctonus californicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂. [des.]

Camerotops premitus Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀ (not ♂). [key, o.d., Mich. (A.N.S.P.)] New synonymy.

Phaenosemus alticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Camerotops premita Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

Phaenosemus alticola Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Stenomacrus alticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

"*Bassus*" *mellipes* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

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Stenomacrus monticola (Cushman) new combination

Hypoleptus monticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

Hypoleptus monticola Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Hypolepus (!) *alticola* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Hypoleptus monticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Stenomacrus terebrator Roman

Stenomacrus terebrator Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 608. ♀. [o.d., Jameson Land, Greenland (?Stockholm Mus.)]

Stenomacrus ulmicola (Ashmead) new combination

Brephoctonus flavosus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Jacksonville, Fla. (U.S.N.M.)]

Neurateles ulmicola Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀. [o.d., host *b*, Columbus, Ohio (U.S.N.M.)]

Neurateles liriodendri Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂, ♀. [o.d., host *a*, D.C. (U.S.N.M.)]

Camerotops ulmicola Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♂, ♀. [key, syn., des.]

Neuroteles ulmicola Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

Neuroteles liriodendri Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

Brephoctonus flavosus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

TINEIDAE: *a*, tineid larva on *Liriodendron tulipifera*. GRACILARIIDAE: *b*, ?*Cameraria ulmella*.

Stenomacrus undulatus (Davis) new combination

Deleter undulatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂, ♀. [key, o.d., Ill. (A.N.S.P.), Mich.]

Deletar (!) *undulatus* Nason, Ent. News, 1905, 16: 168. [Ill.]

Deleter undulatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Deleter undulatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Deleter undulatus MacAloney, Bull. N.Y. State Col. Forestry, 1930, vol. 3, no. 1 (Tech. Pub. no. 28): 50. [host *a*]

Miscellaneous: *a*, Diptera.

LEIPAULUS new genus

This generic name is proposed for *Deleter* of authors, not of the genotype. It differs from all other Orthocentrinae except *Neurateles* in that it lacks the prepectal carina. From *Neurateles* it differs in having the face and clypeus in

the same contour and strongly bulging as is typical for the subfamily, and the abdomen of the female less strongly compressed. In *Neurateles* the face is rather flat and the clypeus somewhat protuberant. The abdomen of the female of *Neurateles* beyond the second segment is strongly compressed, blade-like.

Genotype: *Deleter suffuscus* Davis.

***Leipaulus suffuscus* (Davis) new combination**

Deleter suffuscus Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d., N.H. (U.S.N.M.)]

Deleter suffuscus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Subfamily 9. DIPLAZONINAE

DIPLAZON Nees

Bassus of authors, not of the genotype.

Diplazon Nees, Nov. Acta Acad. Nat. Curios, 1818, 9: 292.

Genotype: *Ichneumon laetatorius* Fabricius.

***Diplazon annulatus* (Gravenhorst)**

Bassus annulatus Gravenhorst, Ichneum. Europeae, 1829, 3: 348. ♀. [o.d., "circa Trajectum ad Moenum captam," Europe (?Breslau Mus.)]

Bassus annulatus Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 10. [des., Greenland]

Diplazon annulatus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. [des., Greenland]

***Diplazon laetatorius* (Fabricius)**

Ichneumon laetatorius Fabricius, Species Insectorum, 1781, 1: 424. (♀). [o.d., Germany (location of type unknown)]

Anomalon attractus Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed. 2: 696). ♀. [o.d., Ind. (type destroyed)]

Bassus sycophanta Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Conn., Del., Ill., N.Y., Pa. (type probably at A.N.S.P.)]

Bassus sycophanta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

Bassus tripicticus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 85. ♂, ♀. [o.d. (?Ill.) (type destroyed)]

Bassus sycophanta var. *tripicticus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 85. [syn.]

Bassus sycophanta Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀. [des.]

Bassus sycophanta Provancher, Nat. Canad., 1874, 6: 31, 56. [key, Que.]

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- Bassus sycophanta* Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431).
[key, des., fig.]
- Bassus sycophanta* Provancher, Nat. Canad., 1887, 16: 24. [Que.]
- Bassus sycophanta* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Bassus sycophanta* Cook, Ann. Rpt. Mich. Agr. Exp. Sta., 1891, 4: 132. [des., fig., biol., host *k*, Conn., Del., Ill., Mich., N.Y., Pa.]
- Bassus sycophanta* Riley and Howard, Insect Life, 1891, 3: 460. [host *w*]
- Bassus laetatorius* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Bassus laetatorius* var. *sycophanta* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.
[key, des.]
- Bassus laetatorius* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19. ♂, ♀. [key, syn., des., "common and widespread"]
- Bassus laetatorius* var. *terminalis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.
♀. [key, o.d., Wash. (A.N.S.P.)]
- Bassus laetatorius* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus sycophanta* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus laetatorius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.
[N.J.]
- Bassus laetatorius* (!) Johnson, Canad. Ent., 1900, 32: 59. [fig., host *v*]
- Bassus laetatorius* (!) Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Ariz.]
- Bassus laetatorius* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *sycophanta* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *tripicticus* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Bassus laetatorius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 622. [N.J.]
- Bassus laetatorius* Roman, Ent. Tidskr., 1910, 31: 149. ♂. [des., Tex.]
- Bassus laetatorius* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 125. [key, syn., Mexico]
- Diplazon laetatorius* Kelley, Jour. Econ. Ent., 1914, 7: 294-297. [biol., host *a d f g k*, Ariz., Calif., Ind., Kans., Tex.]
- Bassus tripicticus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Diplazon laetatorius* McGregor and McDonough, Bull. U. S. Dept. Agr., 1917, 416: 53. [host *v*]
- Diplazon sycophanta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.
♂, ♀. [des., Conn.]
- Diplazon laetatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.
♀. [des., Conn.]
- Diplazon laetatorius* Hauser, Guyton, and Lowry, Bull. Ohio Agr. Exp. Sta., 1917, 317: 80. [biol., host *v*, Ohio]
- Anomalon lactatorius* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]
- Eiplazon* (!) *laetatorius* Davidson, Canad. Ent., 1919, 51: 236. [host *c*, Calif.]
- Diplazon laetatorius* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.
[syn., des., Tex.]

- Diplazon laetatorius* Campbell and Davidson, Bull. So. Calif. Acad. Sci., 1924, 23: 9. [host f, Calif.]
- Diplazon laetatorius* Kamal, Jour. Econ. Ent., 1926, 19: 724, 727. [biol., host a b d f h k l n p, Calif.]
- Diplazon laetatorius* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Diplazon laetatorius* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 44. [biol.]
- Diplazon laetatorius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]
- Diplazon laetatorius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon laetatorius* Poos, Proc. Ent. Soc. Wash., 1928, 30: 150. [host b k, Va.]
- Diplazon laetatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]
- Diplazon laetatorius* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 23, 42. [fig., host b k o p q]
- Diplazon laetatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Diplazon laetatorius* Schopp, Jour. Kans. Ent. Soc., 1931, 4: 35. [Kans.]
- Diplazon laetatorius* Cole, Jour. Econ. Ent., 1933, 26: 862. [host e, Calif.]
- Diplazon laetatorius* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 19, 99, 100. [biol., host b d i j k m n p s t u, Ill.]
- Diplazon laetatorius* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
- Diplazon laetatorius* Telford, Tech. Bull. Minn. Agr. Exp. Sta., 1939, 140: 10. [host k s, Minn.]
- Diplazon laetatorius* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

SYRPHIDAE: a, *Allograpta exotica*; b, *Allograpta obliqua*; c, *Allograpta* sp.; d, *Baccha clavata*; e, *Baccha lemuri*; f, *Eupeodes volucris*; g, *Mesogramma polita*; h, *Mesogramma* sp.; i, *Metasyrphus perplexus*; j, *Metasyrphus vinelandi*; k, *Metasyrphus wiedemanni*; l, *Metasyrphus* sp.; m, *Paragus bicolor*; n, *Paragus tibialis*; o, *Platycheirus erraticus*; p, *Sphaerophoria cylindrica*; q, *Sphaerophoria robusta*; r, *Syrphus rectus*; s, *Syrphus ribesii*; t, *Syrphus ribesii vittifrons*; u, *Syrphus torvus*; v, syrphid. Miscellaneous: w, gall on *Quercus* sp.

Diplazon pectoratorius (Thunberg) new combination

- Ichneumon pectoratorius* Thunberg, Mém. Acad. Sci. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Polysphincta pleuralis* Provancher, Nat. Canad., 1875, 7: 312. ♂. [o.d., Que. (M.P.Q.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). ♂, ♀. [key, syn., des.]
- Bassus pulchripes* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Colo., Ont., N.H.]

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Bassus pulchripes Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Bassus pulchripes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. [Alaska]

Bassus pectoratorius Roman, Zool. Bidrag Uppsala, 1912, 1: 271, 290. [syn.]

Diplazon pulchripes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon pulchripes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon pulchripes Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Diplazon scutellaris* (Cresson)**

Bassus scutellaris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

Bassus scutellaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 84. ♂, ♀. [des.]

Bassus scutellaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 112. [des., Que.]

Bassus scutellatus (!) Riley and Howard, Insect Life, 1891, 3: 460. [host *a*, Ala.]

Bassus scutellaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Ga., Ill., Mich., Ont., Ore., Va.]

Bassus scutellaris Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Bassus scutellaris Nason, Ent. News, 1905, 16: 169. [Ill.]

Diplazon scutellaris Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon scutellaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon scutellaris Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Diplazon scutellaris Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host *b c d e*, Ill.]

NOCTUIDAE: *a*, *Cirphis unipuncta*. SYRPHIDAE: *b*, *Allograpta obliqua*; *c*, *Baccha clavata*; *d*, *Metasyrphus vinelandi*; *e*, *Sphaerophoria cylindrica*.

***Diplazon tetragonus* (Thunberg) new combination**

Ichneumon tetragonus Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

Bassus nemoralis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 354. ♂, ♀. [o.d., Sweden (?Stockholm Mus.)]

Bassus concinnus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Conn. (A.N.S.P.)] New synonymy.

Bassus amoenus Provancher, Nat. Canad., 1874, 6: 31, 55. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus albicoxis Provancher, Nat. Canad., 1874, 6: 31, 56. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus concinnus Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Conn., Mass.]

Bassus tetragonus Roman, Zool. Bidrag Uppsala, 1912, 1: 282, 290. [syn.]

Diplazon concinnus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303. ♀. [des.]

bassus nemoralis Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

Diplazon concinnus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Diplazon concinnus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Diplazon concinnus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

***Diplazon tibiatorius* (Thunberg) new combination**

Ichneumon tibiatorius Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

Bassus orbitalis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Bassus cinctulus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

Bassus orbitalis Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 429). ♂, ♀. [key, syn., des.]

Bassus orbitalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♀. [o.d., host c, Alameda, Calif. (U.S.N.M.)] Preoccupied by Cresson, 1865.

Bassus orbitalis Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, syn., des., Calif., Colo., Mont., Nev., N.H., N.Y., Ont., Ore.]

Bassus orbitalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Bassus tibiatorius Roman, Zool. Bidrag Uppsala, 1912, 1: 283, 290. [syn.]

Diplazon orbitalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♂, ♀. [des.]

Bassus orbitalis Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

Diplazon orbitalis Kamal, Jour. Econ. Ent., 1926, 19: 725, 728. [biol., host a b, Calif.]

Diplazon orbitalis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Sphaerophoria cylindrica*; c, *Syrphus* sp.

ZOOTREPHUS Thomson

Zootrephus Thomson, Opusc. Ent., 1890, 14: 1486.

Genotype: (*Bassus holmgreni* Bridgman) = *rufiventris* Gravenhorst.

***Zootrephus bizonarius* (Gravenhorst) new combination**

Bassus bizonarius Gravenhorst, Ichneum. Europeae, 1829, 3: 350. ♂. [o.d. (numerous localities in central Europe) (?Breslau Mus.)]

Bassus saginatus Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

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Zootrepes saginatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.
[key, des., Canada, N.H.]

Zootrepes inconstans (as *Zootrepes maudae* in key) Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo., Mass., Nev.] New synonymy.

Zootrepes inconstans Nason, Ent. News, 1905, 16: 169. [Ill.]

Zootrepes saginatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.
[Me.]

Zootrepes maudae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Zootrepus ichneumonoides* (Provancher) new combination**

Bassus ichneumonoides Provancher, Nat. Canad., 1874, 6: 31, 57. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Bassus ichneumonoides Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432).
[key, syn., des.]

Bassus ichneumonoides Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Bassus scapulatus Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.
[key, o.d., Que. (M.P.Q.)] New synonymy.

Bassus ichneumonoides Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798).
[key]

Bassus cingulatus Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.
[key, o.d., Que. (M.P.Q.)] New synonymy.

Zootrepes scapulatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 22. ♀. [key, des.]

Zootrepes ichneumonoides Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♀.
[key, des.]

Zootrepes cingulatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.
[key, des., N.H.]

Zootrepes similis Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 52. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)] New synonymy.

***Zootrepus rufiventris* (Gravenhorst)**

Bassus rufiventris Gravenhorst, Ichneum. Europeae, 1829, 3: 312. [o.d., Warmbrunn and Norimberg, Germany (?Breslau Mus.)]

Zootrepus rufiventris Thomson, Opusc. Ent., 1890, 14: 1488. ♀. [des., Sweden]

Zootrepes antennatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.
[key, o.d., North Ill. (A.N.S.P.), Mich., Mont., S.D.] New synonymy.

Zootrepes rufiventris Dalla Torre, Cat. Hymen., 1901, 3: 241. [syn.]

Diplazon (*Zootrepes*) *antennatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

Zootrepes antennatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Zootrephes antennatus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.

[host a]

SYRPHIDAE: a, *Platycheirus erraticus*.

PROMETHES Foerster

Promethes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus sulcator* Gravenhorst.

Liopsis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus sulcator* Gravenhorst.

Promethus Thomson, Opusc. Ent., 1890, 14: 1465, 1475.

Genotype: *Bassus sulcator* Gravenhorst.

Sussaba Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 728.

Genotype: (*Sussaba bicarinata* Cameron) = *pulchellus* Holmgren.

Promethes cultriformis (Ashmead) new combination

Trematopygus? *cultriformis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.

[o.d., Neb. (U.S.N.M.)]

Promethus ruficrus Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♀. [key, des., Ill.] Misdetermined.

Promethus ruficrus Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in part)]

Promethus ruficrus Nason, Ent. News, 1905, 16: 169. [Ill.] Misdetermined.

Promethes ruficrus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.] Misdetermined.

Promethes ruficrus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.] Misdetermined.

Promethes elongatus (Provancher)

Bassus elongatus Provancher, Nat. Canad., 1874, 6: 31, 54. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Bassus ichneumonoides var. *elongatus* Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 433). [des.]

Bassus elongatus Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799). [key, des.]

Promethus elongatus Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀. [key, des., Canada, Mich., N.H.]

Otoblastus erodens Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Wyo.] New synonymy.

Promethus elongatus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Promethes elongatus Dalla Torre, Cat. Hymen., 1901, 3: 243. [syn.]

Bioblapsis tricincla Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♂. [o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.

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Promethes uncinatus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♀. [o.d., Kukak Bay, Alaska (U.S.N.M.)] New synonymy. Ashmead's "type" is a head of one species and thorax of another. The thorax is hereby selected lectotype.

Promethus elongatus Nason, Ent. News, 1905, 16: 169. [Ill.]

Promethes albicoxis Slosson, Ent. News, 1906, 17: 324. [Mt. Washington, N.H.]
Nomen nudum.

Promethes rohweri Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 51. ♂, ♀. [o.d., Florissant, Colo. (Milwaukee Pub. Mus.)] New synonymy.

Promethes elongatus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25.
[syn. (in part)]

Promethes elongatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
[Me.]

Promethes elongatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Promethes uncinatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Promethes elongatus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host
a b]

SYRPHIDAE: a, *Platycheirus erraticus*; b, *Sphaerophoria robusta*.

***Promethes sulcator* (Gravenhorst)**

Bassus sulcator Gravenhorst, Ichneum. Europeae, 1829, 3: 320. ♂, ♀.
[o.d., numerous localities in central Europe (?Breslau Mus.)]

Bassus costalis Provancher, Nat. Canad., 1874, 6: 31, 58. ♀. [key, o.d., Que.
(M.P.Q.)] New synonymy.

Bassus costalis Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). [key,
des.]

Bassus longicornis Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799).
♀. [key, o.d., Que. (M.P.Q.)]

Bassus aciculatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 368.
♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

Bassus auriculatus Provancher, Addit. Faune Canada, Hymén., 1888, p. 429.
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Promethus costalis Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀. [key,
syn., des., Canada, Mont., N.H., Wash.]

Promethus costalis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.
[N.Y.]

Promethes costalis Dalla Torre, Cat. Hymen., 1901, 3: 242. [syn.]

Promethes sulcator Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]

Promethes costalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.
♀. [des.]

Promethes costalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Promethes costalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Promethes costalis Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host *a*]
Promethes costalis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,
 1939, 16: 62. [Ut.]

SYRPHIDAE: *a*, *Sphaerophoria robusta*.

SYRPHOCTONUS Foerster

Syrphoctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus biguttatus* Gravenhorst.

Homoporus Thomson, Opusc. Ent., 1890, 16: 1488. Preoccupied by Thomson,
 1878.

Genotype: *Homotropus elegans* Gravenhorst. Selected automatically by
 Viereck when he selected this species as the genotype of *Homocidus*,
 Proc. Ent. Soc. Wash., 1912, 14: 175.

Homocidus Morley, Brit. Ichneum., 1911, 4: 87. New name for *Homoporus*
 Thomson.

Syrphoctonus agilis (Cresson)

Bassus agilis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♂. [o.d., Ill.
 (A.N.S.P.), Conn.]

Bassus frontalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ill.
 (A.N.S.P.), Conn., Pa.]

Bassus frontalis Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429). [key,
 des.]

Bassus agilis Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key,
 des.]

Mesoleius junctus Provancher, Nat. Canad., 1883, 14: 10; (Faune p. 797). ♂.
 [o.d., Que. (M.P.Q.)]

Mesoleius junctus Provancher, Addit. Faune Canada, Hymén., 1886, p. 105.
 [key]

Bassus agilis Riley and Howard, Insect Life, 1891, 3: 460. [host *e*]

Bassus frontalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Syrphoctonus agilis Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key,
 syn., des., Ill., Mass., Mich., N.H., N.J., N.C., Ont., Pa., S.D.]

Syrphoctonus agilis Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

Bassus frontalis Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

Syrphoctonus agilis Nason, Ent. News, 1905, 16: 169. [Ill.]

Homocidus frontalis Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 134. [syn.]

Syrphoctonus agilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.

♂. [des., Conn.]

Diplazon frontalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.

♀. [des.]

Syrphoctonus agilis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Syrphoctonus agilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
 [Me.]

Syrphoctonus agilis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Syrphoctonus agilis Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a b c d]

Syrphoctonus agilis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

Syrphoctonus agilis Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host a b c, Ill.]

Syrphoctonus agilis Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Homotropus agilis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SYRPHIDAE: a, *Allograpta obliqua*; b, *Metasyrphus wiedemanni*; c, *Sphaerophoria cylindrica*; d, *Sphaerophoria robusta*; e, syrphid.

***Syrphoctonus alaskensis* (Ashmead) new combination**

Homotropus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Syrphoctonus albopictus* (Davis) new combination**

Homotropus bicapillaris var. *albopictus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Canada, Mich., Wash.]

Homotropus bicapillaris var. *albopictus* Nason, Ent. News, 1905, 16: 169. [Ill.]

Homotropus bicapillaris var. *albopictus* Washburn, Rpt. State Ent. Minn., 1908, 12: 131. [host b, Minn.]

Homotropus bicapillaris var. *albopictus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Homotropus albopictus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Homotropus bicapillaris var. *albopictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Homotropus bicapillaris var. *albopictus* Fluke, Trans. Wis. Acad. Sci. Arts Letters, 1931, 26: 293. [biol., host a, Wis.]

SYRPHIDAE: a, *Metasyrphus emarginatus*. ANTHOMYIIDAE: b, *Pegomya brassicae*.

***Syrphoctonus belangerii* (Provancher) new combination**

Bassus Belangerii Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]

Bassus Belangerii Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key, des.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

?*Diplazon* (*Homotropus*) *bicapillaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

***Syrphoctonus compressiventris* (Cresson) new combination**

Tryphon compressiventris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♂, ♀. [o.d., Mass. (A.N.S.P.), Conn.]

Zootrephes montanus Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.
[key, o.d., Mont. (A.N.S.P.), Mich., Nev.]

Otoblastus compressiventris Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀.
[key, des., Canada, Colo., Mass., Mich.]

Zootrephes montanus Nason, Ent. News, 1905, 16: 169. [Ill.]

Otoblastus compressiventris Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 296. ♀. [des.]

Zootrephes compressiventris Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.
[syn.]

Zootrephes compressiventris Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Zootrephes compressiventris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Zootrephes compressiventris Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.
[host a]

SYRPHIDAE: a, *Platycheirus erraticus*.

Syrphoctonus cressonii Davis

Syrphoctonus cressonii Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♀. [key, o.d., Nev. (A.N.S.P.)]

Syrphoctonus cultiformis (Davis) new combination

Otoblastus cultiformis Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, o.d., Colo. (A.N.S.P.)]

Zootrephes bicoloripes Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Zootrephes cultiformis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.
[syn., des.]

Syrphoctonus decoratus (Cresson) new combination

Bassus decoratus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂. [o.d., Calif. (A.N.S.P.)]

Homotropus decoratus Davis, Trans. Amer. Ent. Soc., 1895, 22: 29. ♂, ♀.
[key, des., Calif., Nev.]

Homotropus decoratus Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host a b c, Calif.]

Homotropus decoratus Flanders, Pan-Pacific Ent., 1926, 2: 158. [Calif.]

Homotropus decoratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Metasyrphus* sp.; c, *Sphaerophoria cylindrica*.

Syrphoctonus elegans var. **nigritarsus** (Gravenhorst) new combination

(*Bassus elegans* Gravenhorst, Ichneum. Europeae, 1829, 3: 313. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)])

MEM. AMER. ENT. SOC., 11 pt. 2.

- Bassus nigratarsus* Gravenhorst, Ichneum. Europeae, 1829, 3: 338. ♀. [o.d., Tauria (Europe) (?Breslau Mus.)]
Homotropus elegans var. *nigratarsis* (!) Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland, Europe]
Homotropus elegans Hendriksen and Lundbeck, Meddel om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]
Homotropus elegans nigratarsus Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 285. [syn., Greenland]
Homotropus elegans nigratarsus Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [Greenland]
Homotropus elegans nigratarsus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [des., Greenland]

Syrphoctonus foutsii Cushman

- Syrphoctonus foutsii* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 12. ♂, ♀. [o.d., Glen Echo, Md. (U.S.N.M.)]
Syrphoctonus foutsii Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 414. [Me.]

Syrphoctonus gillettii Davis

- Syrphoctonus gillettii* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, o.d., Colo. (A.N.S.P.)]

Syrphoctonus groenlandicus (Holmgren) new combination

- Bassus groenlandicus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 97. ♂. [o.d., North Greenland (?Stockholm Mus.)]
Bassus groenlandicus Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. [Greenland]
Bassus groenlandicus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. ♀. [des., Greenland]
Bassus groenlandicus Nielsen, Meddel. om Grønland, 1907, 29: 385. [Greenland]
Homotropus elegans Hendricksen and Lundbeck, Meddel. om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]
Homotropus groenlandicus Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

Syrphoctonus humeralis (Provancher) new combination

- Lampronota macra* Provancher, Nat. Canad., 1873, 5: 476. ♂. [key, Que.]
 Misdetermined.
Tryphon humeralis Provancher, Nat. Canad., 1875, 7: 117. ♀. [key, o.d., Que. (M.P.Q.)]
Bassus fuscitarsus Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)]
Tryphon humeralis Provancher, Nat. Canad., 1875, 7: 311. [key]

- Bassus humeralis* Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429).
♂, ♀. [key, syn., des.]
- Bassus fuscitarsus* Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430).
[key, des.]
- Bassus humeralis* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Homotropus humeralis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀.
[key, syn., des., Calif., Canada, Colo., Mont., Nev., Wash.]
- Homotropus humeralis* Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol.,
host a b c, Calif.]
- Homotropus humeralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.
[Me.]
- Homotropus humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
949. [N.Y.]
- Homotropus humeralis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon humeralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 103. [Mass.]
- Homotropus humeralis* Cole, Jour. Econ. Ent., 1933, 26: 862. [host a, Calif.]
- Homotropus humeralis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413.
[host d, Me.]
- Homotropus humeralis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts
Letters, 1939, 16: 62. [Ut.]
- SYRPHIDAE: a, *Allograpta obliqua*; b, *Eupeodes volucris*; c, *Scaeva pyrastris*. Miscel-
laneous: d, larva on leaves of *Betula alba*.

Syrphoctonus laevis Brues

- Syrphoctonus laevis* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 53. ♀. [o.d.,
Beulah, N.M. (Milwaukee Pub. Mus.)]

Syrphoctonus maculifrons (Cresson)

- Bassus maculifrons* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d.,
Colo. (A.N.S.P.)]
- Bassus semifasciatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 87. ♂.
[o.d. (?Ill.) (type destroyed)]
- Bassus maculifrons* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♂, ♀.
[des., Calif., Colo.]
- Bassus maculifrons* Riley and Howard, Insect Life, 1891, 3: 460. [host f, Calif.]
- Syrphoctonus maculifrons* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀.
[key, syn., des., Calif., Colo., Ill., Mont., Nev.]
- Syrphoctonus maculifrons* Burke, Proc. Ent. Soc. Wash., 1906, 7: 89. [host a b]
- Syrphoctonus maculifrons* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291.
[Colo.]
- Syrphoctonus maculifrons* Campbell and Davidson, Bull. So. Calif. Acad. Sci.,
1924, 23: 9. [host c, Calif.]

- Syrphoctonus maculifrons* Kamal, Jour. Econ. Ent., 1926, 19: 722, 727. [biol., host c d e, Calif.]
- Syrphoctonus maculifrons* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Syrphoctonus maculifrons* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host g, Ut.]
- Syrphoctonus maculifrons* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Syrphoctonus maculifrons* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host e, Calif.]

SYRPHIDAE: a, *Cheilusia alaskensis*; b, *Cheilusia hoodiana*; c, *Eupeodes volucris*; d, *Metasyrphus* sp.; e, *Scaeva pyrastris*; f, *Syrphus* sp.; g, syrphid.

***Syrphoctonus melanogaster* (Holmgren) new combination**

- Bassus melanogaster* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 98. ♂. [o.d., northern Greenland (?Stockholm Mus.)]
- Bassus melanogaster* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. ♀. [des., Greenland]
- Bassus melanogaster* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 232. [Greenland]
- Homotropus melanogaster* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland]
- Homotropus melanogaster* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [syn., des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Greenland]

***Syrphoctonus minimus* (Cresson)**

- Tryphon minimus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♀. [o.d., Ill. (A.N.S.P.)]
- Bassus ruficrus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. [syn.] Description and records erroneous.
- Otoblastus minimus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, des.]
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in part)]
- Promethes ruficrus* Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]
- Anecphysis ruficrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [syn.] Description and record erroneous.
- Syrphoctonus minimus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]

- Syrphoctonus minimus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Syrphoctonus minimus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]
Syrphoctonus minimus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Syrphoctonus ornatus* (Gravenhorst) new combination**

- Bassus ornatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 341. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]
Bassus ornatus Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. [Greenland]
Homotropus ornatus Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Africa, Europe, Greenland]

***Syrphoctonus pacificus* (Cresson)**

- Bassus maculifrons* Holmgren, Eugenes Resa, 1868, Insect. p. 410. ♀. [o.d., San Francisco, Calif. (?Stockholm Mus.)] Preoccupied by Cresson, 1865.
Bassus pacificus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂, ♀. [o.d., Calif. (A.N.S.P.), B.C.]
Bassus xanthopsis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host *e*, Alameda, Calif. (U.S.N.M.)]
Syrphoctonus pacificus Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀. [key, syn., des., B.C., Calif., Nev., Wash.]
Syrphoctonus pacificus Harrington, Canad. Ent., 1897, [B.C.] "♂ descr. from V. I. Coll. H. Edwards."
Syrphoctonus pacificus Nason, Ent. News, 1905, 16: 169. [Ill.]
Homotropus maculifrons Roman, Ent. Tidskr., 1910, 31: 166. [syn.]
Syrphoctonus minimus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]
Syrphoctonus pacificus Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host *a b c d*, Calif.]
 SYRPHIDAE: *a*, *Allograpta obliqua*; *b*, *Eupeodes volucris*; *c*, *Metasyrphus* sp.; *d*, *Scaeva pyrastris*; *e*, *Syrphus* sp.

***Syrphoctonus pallipennis* (Provancher) new combination**

- Bassus pallipennis* Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]
Bassus pallipennis Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]
Homotropus pallipennis Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♀. [key, des., Canada]
Homotropus pallidipennis Dalla Torre, Cat. Hymen., 1901, 3: 238. Emendation of *Bassus pallipennis* Provancher.

Syrphoctonus pectoralis (Provancher) new combination

Bassus pectoralis Provancher, Nat. Canad., 1874, 6: 32. ♂. [key, o.d., Que. (M.P.Q.)]

Bassus pectoralis Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

Syrphoctonus pleuralis (Cresson)

Bassus pleuralis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ohio (A.N.S.P.)]

Bassus syrphicola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♂, ♀. [o.d., host b, San Francisco, Calif. (U.S.N.M.)]

Syrphoctonus pleuralis Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key, syn., des., Calif., Ohio]

Syrphoctonus pleuralis Nason, Ent. News, 1905, 16: 169. [Ill.]

Syrphoctonus pleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Syrphoctonus pleuralis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Syrphoctonus pleuralis Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99. [host a, Ill.]

SYRPHIDAE: a, *Syrphus torvus*; b, syrphid.

Syrphoctonus robustus Davis

Syrphoctonus robustus Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂. [key, o.d., Wash. (A.N.S.P.)]

Syrphoctonus vertebratus Cushman

Syrphoctonus bilineatus Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

Hemertosoma (!) *quinquecinctum* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

Syrphoctonus vertebratus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 29. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

PHTHORIMA Foerster

Phthorima Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus compressus* Desvignes.

Phthorimus Thomson, Opusc. Ent., 1890, 14: 1465, 1474.

Genotype: *Bassus compressus* Desvignes.

Phthorima bidens (Davis)

Otoblastus bidens Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂. [key, o.d., Mich. (A.N.S.P.)]

Phthorima? *bidens* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn.]

Phthorima extensor Cushman

Phthorima extensor Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. ♀. [o.d., Va., near Plimmers Is. Md. (U.S.N.M.), D.C.]

Phthorima sulciclypeus Cushman

Phthorima sulciclypeus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 265. ♀. [o.d., Mt. Washington, N.H. (U.S.N.M.)]

ENIZEMUM Foerster

Enizemum Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: (*Bassus tibialis* Cresson) = *petiolatum* Say.

Homotropus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

New synonymy.

Genotype: (*Bassus bicapillaris* Walsh) = *petiolatum* Say.

Enizemum neomexicanum Brues

Enizemum neomexicanum Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 54. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)]

Enizemum petiolatum (Say)

Pimpla? *petiolatus* Say, Boston Jour. Nat. Hist., 1836, 1: 224; (Leconte Ed. 2: 683). (♂). [o.d., Ind. (type destroyed)]

Bassus tibialis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀. [o.d., Ill. (A.N.S.P.)]

Bassus bicapillaris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 88. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.

Bassus tibialis Provancher, Nat. Canad., 1874, 6: 32. ♂, ♀. [key, Que.]

Bassus tibialis Provancher, Nat. Canad., 1875, 7: 144. [key]

Bassus tibialis Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). [key, des.]

Enizemum tibiale Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀. [des., Canada, Colo., Ill., Mont.]

Homotropus bicapillaris Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. [syn.] Key, des., and records based on misdetermination.

Enizemum tibiale Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. [Alaska, Kans.]

Enizemum tibiale Nason, Ent. News, 1905, 16: 169. [Ill.]

Homotropus bicapillaris Nason, Ent. News, 1905, 16: 169. [Ill.]

Pimpla parvialba Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. ♀ (not ♂). [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Homotropus bicapillaris Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Pimpla? petiolata Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [syn.]

Enizemum tibiale Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Homotropus bicapillaris Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

Enizemum tibiale Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host *a*]

Enizemum tibiale Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Diplazon bicapillaris Brimley, Insects of N.C., 1938, p. 413. [N.C.]

Enizemum petiolatum Townes, Ann. Ent. Soc. Amer., 1940, 33: 323. [syn., N.Y.]

SYRPHIDAE: *a*, *Metasyrphus wiedemanni*.

Subfamily 10. METOPIINAE

METOPIUS Panzer

Subgenus *Metopius* Panzer *

Metopius Panzer, Krit. Rev., 1806, 2: 78.

Genotype: *Sphex vespoides* Scopoli.

Peltastes Illiger, Rossi's Faun Etrusca, Ed. 2, 1807, 2: 55.

Genotype: (*Ichneumon necatorius* Fabricius) = *vespoides* Scopoli.

Peltopius Clément, Konowia, 1930, 8: 387.

Genotype: *Sphex vespoides* Scopoli.

Subgenus *Clémentia* Michener

Clémentia Michener, Pan-Pacific Ent., 1941, 17: 2.

Genotype: *Ichneumon micratorius* Fabricius.

Metopius (*Clémentia*) *basalis* Cresson, new combination

Metopius basalis Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀. [o.d., Fla. (A.N.S.P.)]

Metopius basalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

Metopius (*Clémentia*) *bellus* Cresson

Metopius bellus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♂. [o.d., Nev. (A.N.S.P.)]

Metopius bellus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius bellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]

Metopius (*Clémentia*) *bellus* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

* The subgenus *Metopius* is not represented in the Nearctic Region.

Metopius (Clémontia) birkmani Brues, new combination

Metopius birkmani Brues, Bull. Wis. Nat. Hist. Surv., 1907, 5: 56. ♂, ♀.
[o.d., Lee Co., Tex. (Milwaukee Public Mus.)]

Metopius (Clémontia) comptus Cresson, new combination

Metopius comptus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♀. [o.d., Colo. (A.N.S.P.)]

Metopius laticinctus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♂. [o.d., Colo. (A.N.S.P.)]

Metopius comptus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius laticinctus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius comptus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂, ♀.
[key, syn., des.]

Metopius (Clémontia) concinnus Cresson, new combination

Metopius concinnus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.
♂. [o.d., Nev. (A.N.S.P.)]

Metopius concinnus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius montanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀.
[key, syn., des. (in part)]

Metopius (Clémontia) edwardsii Cresson, new combination

Metopius Edwardsii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂.
[o.d., Wash. Territory (A.N.S.P.)]

Metopius nevadensis Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii.
♂, ♀. [o.d., Nev. (A.N.S.P.)]

Metopius edwardsii Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius nevadensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀.
[key, syn., des.]

Metopius (Clémontia) nevadensis Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

Metopius (Clémontia) errantia Davis, new combination

Metopius errantia Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key,
o.d., Gaylord, Mich. (Mich. State College)]

Metopius (Clémontia) grandior Viereck, new combination

Metopius grandior Viereck, Trans. Kans. Acad. Sci., 1905, 19: 314. ♀. [o.d.,
Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Metopius grandior Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [des.]

Metopius (Clémontia) harbecki Skinner, new combination

Metopius harbecki Skinner, Ent. News, 1906, 17: 150. (♂). [o.d., German-
town, Philadelphia, Pa. (A.N.S.P.)]

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Metopius (Clémontia) medianus Morley, new combination

Metopius medianus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. ♂. [key, o.d., Ga. (British Mus.)]

Metopius (Clémontia) montanus Cresson

Metopius montanus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.

♂. [o.d., Colo. (A.N.S.P.)]

Metopius mirandus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.

♀. [o.d., Colo. (A.N.S.P.)]

Metopius montanus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius mirandus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius montanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [key, syn., des. (in part)]

Metopius (Clémontia) montanus Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

Metopius (Clémontia) pollinatorius (Say)

Peltastes pollinatorius Say, Boston Jour. Nat. Hist., 1836, 1: 245; (Leconte Ed. 2: 700). ♂, ♀. [o.d., Ind., Pa. (type destroyed)]

Metopius pinatorius Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

Metopius cordiger Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

Metopius pollinatorius Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 91. ♂, ♀. [syn., des.]

Metopius pollinatorius Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

Metopius pollinatorius Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius pollinatorius Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀. [key, des., Ill., Mass., Mich., N.J., N.Y., Pa.]

Metopius pollinatorius Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [Ont.]

Metopius micratorius pollinatorius Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [Hudson Bay]

Metopius pollinatorius Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. ♂, ♀. [des., Conn.]

Metopius pollinatorius Weiss, Jour. N.Y. Ent. Soc., 1924, 32: 74. [host b, N.J.]

Metopius pollinatorius Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Metopius pollinatorius Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Metopius pollinatorius Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host a, Me.]

Metopius pollinatorius Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémontia) pollinatorius Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

PHALAEINIDAE: a, *Acronicta obliterata*. SATURNIIDAE: b, *Tropaea luna*.

Metopius (Clémontia) pulchellus Cresson, new combination

Metopius pulchellus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 271. ♀. [o.d., Colo. (A.N.S.P.)]

Metopius pulchellus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius pulchellus Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♀. [key, des., Colo., N.M., S.D.]

Metopius (Clémontia) robustus Cresson, new combination

Metopius robustus Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀. [o.d., Md. (A.N.S.P.)]

Metopius robustus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius robustus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♀. [key, des.]

Metopius robustus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémontia) rufipes Cresson, new combination

Metopius rufipes Cresson, Proc. Ent. Soc. Phila., 1865, 4: 270. ♀. [o.d., Colo. (A.N.S.P.)]

Metopius rufipes Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius rufipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

Metopius (Clémontia) scitulus Cresson, new combination

Metopius scitulus Cresson, Trans. Amer. Ent. Soc., 1897, 7: Proc. p. xxix. ♂. [o.d., Nev. (A.N.S.P.)]

Metopius scitulus Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

Metopius scitulus Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]

Metopius (Clémontia) ultimatus Davis, new combination

Metopius ultimatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♂. [key, o.d., Ill. (A.N.S.P.)]

Metopius ultimatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Metopius (Clémontia) xanthostigma Ashmead, new combination

Metopius xanthostigma Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 438. ♂. [o.d., N.C. (U.S.N.M.)]

Metopius xanthostigma Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

Metopius xanthostigma Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂. [key, des.]

Metopius xanthostigma Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Subgenus **Cultrarius** Davis

Cultrarius Davis, Trans. Amer. Ent. Soc., 1897, 24: 197.

Genotype: *Metopius rileyi* Marlatt.

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Metopius (Cultrarius) rileyi Marlatt

Metopius sp. Marlatt, Insect Life, 1890, 3: 177. [des.]

Metopius rileyi Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 103. ♀. [key, o.d., fig., Kans., S.D. (U.S.N.M.)]

Cultrarius rileyi Davis, Trans. Amer. Ent. Soc., 1897, 24: 197. ♀. [des.]

PSEUDOMETOPIUS Davis

Pseudometopius Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 202.

Genotype: *Metopius hagenii* Cresson.

Pseudometopius hagenii (Cresson)

Metopius Hagenii Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂, ♀. [o.d., Dallas Co., Tex. (Harvard Univ.), Mass.]

Metopius Hageni Provancher, Nat. Canad., 1880, 12: 69; (Faune p. 473). [des., Que.]

Metopius hageni Marlatt, Proc. Ent.-Soc. Wash., 1891, 2: 104. [key]

Metopius nagenii (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pseudometopius hageni Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [des., Mass., Mich., Tex.]

Pseudometopius hageni Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

CHORINAEUS Holmgren

Chorinaeus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 305, 320.

Genotype: *Exochus funebris* Gravenhorst.

Polyrhabdus Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 98.

Genotype: *Polyrhabdus cariniger* Walsh.

Chorinaeus californicus Ashmead

Chorinaeus californicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♂. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

Chorinaeus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀. [key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

Chorinaeus carinatus (Cresson)

Tryphon carinatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 273. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus carinatus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. [des., Conn., Ill., Mass.]

Tryphon carinatus Provancher, Nat. Canad., 1875, 7: 310, 311. [key, des., Que.]

Chorinaeus carinatus Provancher, Nat. Canad., 1879, 11: 278; (Faune p. 433). [des.]

Chorinaeus carinatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀.
[key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

Chorineus (!) *carinatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. [key]

Chorinaeus carinatus Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136.
[Me.]

Chorinaeus carinatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Chorinaeus carinatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

***Chorinaeus cariniger* (Walsh)**

Polyrhaddus cariniger Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 98. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Chorinaeus cariniger Cresson, Synops. Hymen. N. Amer., 1887, p. 213. [syn.]

Chorinaeus cariniger Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

Chorineus (!) *cariniger* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.
[key]

Chorinaeus cariniger Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

***Chorinaeus constrictus* Davis**

Chorinaeus constrictus Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,
o.d., Franconia, N.H. (A.N.S.P.)]

***Chorinaeus costatus* Davis**

Chorinaeus costatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.
[key, o.d., N.H. (A.N.S.P.), Conn.]

Chorinaeus costalis (!) Slosson, Ent. News, 1900, 11: 320. [N.H.]

Chorineus (!) *costatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.
[key]

Chorinaeus costatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

***Chorinaeus excessorius* Davis**

Chorinaeus excessorius Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,
o.d., Wash. (A.N.S.P.)]

***Chorinaeus flavifrons* Ashmead**

Chorinaeus flavifrons Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 444. ♀.
[o.d., Wis. (U.S.N.M.)]

Chorinaeus cariniger Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

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Chorinaeus marlatti Ashmead

Chorinaeus marlatti Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♀.
[o.d., Riley Co., Kans. (U.S.N.M.)]

Chorinaeus marlatti Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,
des., Ill., Kans.]

Chorinaeus onitis Davis

Chorinaeus onitis Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♂, ♀. [key,
o.d., Mt. Washington, N.H. (A.N.S.P.)]

Chorinaeus onitis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.
[N.Y.]

Chorinaeus opacitas Davis

Chorinaeus opacitas Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♀. [key,
o.d., Nev. (A.N.S.P.)]

Chorinaeus pleturus Davis

Chorinaeus pleturus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,
o.d., Agricultural College, Mich. (Mich. State College)]

Chorinaeus pusillus Davis

Chorinaeus pusillus Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.
[key, o.d., Wash. (A.N.S.P.), Colo., N.H.]

Chorinaeus texanus (Cresson)

Exochus texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂. [o.d.,
Bosque Co., Tex. (U.S.N.M.)]

Chorinaeus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. [syn.]

Chorinaeus texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♂, ♀.
[key, des., Colo., Tex.]

SPUDAEUS Gistel

Trachyderma Gravenhorst, Ichneum. Europeae, 1829, 3: 283. Preoccupied by
Latreille, 1829.

Genotype: *Trachyderma scabra* Gravenhorst

Spudaeus Gistel, Naturg. Thierr. 1848, p. xi. New name for *Trachyderma*
Gravenhorst.

Tylocomnus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh. 1873, 30, pt. 4: 76.
New name for *Trachyderma* Gravenhorst.

Spudaeus indigus (Davis) new combination

Tylocomnus (!) *indigus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♂, ♀.
[key, o.d., Colo. (A.N.S.P.) N.H.]

Spudaeus minoris (Davis) new combination

Tylecomnus (!) *minoris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀.
[key, o.d., N.H. (A.N.S.P.)]

Spudaeus umbrosus (Davis) new combination

Tylecomnus (!) *umbrosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.
[key, o.d., Wash. (A.N.S.P.), Nev.]

PERIOPE Haliday

Periope Haliday, Ann. Nat. Hist., 1839, 2: 114.

Genotype: *Periope auscultator* Haliday.

Monoplectron Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63, 81.

Genotype: (*Monoplectron zygaenator* Holmgren) = *auscultator* Haliday.

Oligoplectron Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Periope auscultator* Haliday.

Periope aethiops (Cresson)

Tryphon aethiops Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♀. [o.d.,
Mass. (A.N.S.P.), Conn.]

Chorinaeus pulchripes Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 800).

♀. [o.d., Chicoutimi, Que. (M.P.Q.)] New synonymy.

Pseudometopius pulchripes Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.
[des.]

Periope aethiops Davis, Trans. Amer. Ent. Soc., 1897, 24: 206. ♂. [des.,
Mass., Ont.]

Periope aethiops Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂.
[des.]

Periope aethiops Washburn, Ann. Rpt. St. Ent. Minn., 1918, 17: 173. [biol.,
Minn.]

Periope aethiops Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

Periope aethiops Brown, Canad. Ent., 1934, 66: 262. [Ont.]

COLPOTROCHIA Holmgren

Colpotrochia Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 80.

Genotype: *Ichneumon elegantulus* Schrank.

Alcocerus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Tryphon? trifasciatus* Cresson.

Exochoides Cresson, Trans. Amer. Ent. Soc., 1868, 2: 37.

Genotype: *Exochoides mexicana* Cresson.

Ischyrocnemopsis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. New syn-
onymy.

Genotype: *Exochoides texana* Cresson.

Inoresa Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 724.

Genotype: *Inoresa pilosa* Cameron.

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Colpotrochia texana (Cresson) new combination

Exochodes (!) *texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

Ischyrocnemis carolina Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♂. [o.d., N.C. (U.S.N.M.)]

Exochoides texanus Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂. [syn., des., N.C., Tex.]

Ischyrocnemopsis texanus Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. [syn.]

Exochoides texanus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Colpotrochia trifasciata (Cresson)

Tryphon? *trifasciatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 276. ♂. [o.d., Pa. (A.N.S.P.)]

Exochoides trifasciata Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

Alcocerus trifasciatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂, ♀. [des., N.C., N.Y., Pa.]

Alcocerus trifasciatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

Colpotrochia trifasciata Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Colpotrochia trifasciata Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

TRICLISTUS Foerster

Triclistus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Exochus podagricus* Gravenhorst.

Triclistus brunnipes (Cresson)

Exochus brunnipes Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♀. [o.d., Nev. (A.N.S.P.)]

Triclistus brunneipes (!) Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus brunnipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♀. [key, des.]

Triclistus congener (Holmgren) *

Exochus congener Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 319. ♂, ♀. [o.d., Norway, Sweden (?Stockholm Mus.)]

Triclistus congener Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1873, 30, no. 4: 57. [des., fig., Scandinavia]

Triclistus congener Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♂, ♀. [key, des., Mont., Nev., Wash.]

* Occurrence in the Nearctic Region needs confirmation.

Triclistus fulvipes (Cresson)

Exochus fulvipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂, ♀. [o.d., Pa. (A.N.S.P.)]

Exochus fulvipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Pa.]

Exochus fulvipes Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437). [key, des., Que.]

Exochus fulvipes Riley and Howard, Insect Life, 1891, 3: 461. [host d, Mo.]

Triclistus fulvipes Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus curvator Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key, des., Calif., Canada, Colo., Ill., Mich., Mont., Nev., N.H., N.J., Pa., Wash.] Misdetermined.

Trichistus (!) *curvator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.] Misdetermined.

Triclistus curvator Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. [Alaska] Misdetermined.

Triclistus curvator Nason, Ent. News, 1905, 16: 168. [Ill.] Misdetermined.

Triclistus curvator Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key] Misdetermined.

Exochus curvator Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host c, Va.] Misdetermined.

Exochus curvator Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host c, Pa.] Misdetermined.

Triclistus curvator Schott, Jour. N.Y. Ent. Soc., 1925, 33: 54. [host a] Misdetermined.

Triclistus curvator Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.

Triclistus curvator Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host c, Va.] Misdetermined.

Triclistus curvator Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136. [Me.] Misdetermined.

Triclistus curvator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a c d g, N.Y.] Misdetermined.

Triclistus curvator Haeussler, Jour. Agr. Res., 1930, 41: 367. [host f, Md., N.J.] Misdetermined.

Triclistus curvator Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host a, N.S.] Misdetermined.

Triclistus curvator Walley, Canad. Ent., 1932, 64: 183. [host e, Ont.] Misdetermined.

Triclistus curvator Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host b, Minn.] Misdetermined.

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. TORTRICIDAE: b, *Archips cerasivorana*; c, *Argyrotaenia velutinana*; d, *Homona fervidana*. OLETHREUTIDAE: e, *Exartema exaerensum*; f, *Grapholitha molesta*; g, *Polychrosis viteana*.

Triclistus propinquus (Cresson)

Exochus propinquus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀.
[o.d., Conn. (A.N.S.P.), Me., Mass.]

Exochus propinquus Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus propinquus Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀.
[key, des., Conn., Me., Mass., Mich.]

Exochus propinquus Slosson, Ent. News, 1902, 13: 5. [N.H.]

Exochus propinquus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, fig.]

Exochus propinquus Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

Exochus propinquus Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host a, Conn.]

Triclistus propinquus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus propinquus Essig, Insects of Western N. Amer., 1926, p. 793. [Calif.]

Triclistus propinquus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Triclistus propinquus Balduf, Ohio Jour. Sci., 1929, 29: 234. [des., biol., host c, Ill.]

Triclistus propinquus Montgomery, Canad. Ent., 1933, 65: 186. [host b, Ind.]

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. PYRAUSTIDAE: b, *Desmia funeralis*; c, *Phlyctaenia tertialis*.

Triclistus pygmaeus (Cresson)

Exochus pygmaeus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♀ (not ♂).
[o.d., Ill. (A.N.S.P.)]

Exochus pygmaeus Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus pygmaeus Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437).
[key, des.]

Triclistus pygmaeus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Triclistus pygmaeus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des., Canada, Ill.]

Triclistus (!) *pygmaeus* Slosson, Ent. News, 1906, 17: 324. [N.H.]

Triclistus (!) *pygmaeus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]

Triclistus pygmaeus Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 291. [host a, N.Y.]

Trichist (!) *pygmaeus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host b]

Triclistus pygmaeus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]

Triclistus pygmaeus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

Triclistus pygmaeus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

TORTRICIDAE: a, *Archips cerasivorana*. PYRAUSTIDAE: b, *Desmia funeralis*.

Triclistus thoracicus (Ashmead)

Triclistus thoracicus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♀.
[o.d., Dixie Landing, Va. (U.S.N.M.)]

Triclistus thoracicus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

Triclistus thoracicus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

HYPSICERA Latreille

Hypsicera Latreille, in Cuvier: Regne Anim., Ed. 2, 1829, 5: 288.

Genotype: (*Alomya* (*Hypsicera*) sp. near *femoralis* Gravenhorst) = *femoralis* Fourcroy.

Metacoelus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: (*Exochus femoralis* Gravenhorst) = *femoralis* Fourcroy.

Polyclistus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Ichneumon femoralis* Fourcroy.

Plesioexochus Cameron, Trans. South Afr. Philos. Soc., 1905, 15: 102.

Genotype: (*Plesioexochus rufipes* Cameron) = *femoralis* Fourcroy.

Hypsicera femoralis (Fourcroy)

Ichneumon femoralis Fourcroy, Entomologia Parisiensis, 1785, 2: 396. [o.d., (?Paris, France) (location of type unknown)] This reference not seen.

Alomya (*Hypsicera*) sp. Latreille, in Cuvier: Regne Animal, Ed. 2, 1829, 5: 288. [des., France]

Exochus laevis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂, ♀. [o.d., Ill. (A.N.S.P.), Calif.] New synonymy.

Exochus laevis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [eastern, middle, and western states]

Exochus laevis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 93. ♀. [des.]

Exochus laevis Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

Exochus laevis Provancher, Nat. Canad., 1880, 12: 5; (Faune, p. 437). [key, des.]

Exochus laevis Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Exochus laevis Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Exochus laevis Riley and Howard, Insect Life, 1891, 3: 461. [host *a b*, D.C.]

Exochus laevis Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Exochus laevis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Metacoelus laevis Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [des., Calif., Canada, Colo., Ill., Mich., N.Y., Ore., Wash.]

Netacoelus (!) *laevis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Metacoelus laevis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.]

Metacoelus laevis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]

Metacoelus laevis Nason, Ent. News, 1905, 16: 168. [Ill.]

- Metacoelus laevis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]
Metacoelus laevis Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
Hypsicera femoralis Viereck, Bull. U. S. Nat. Mus., 1914, 83: 74. [syn.]
Metacoelus laevis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307.
 ♂, ♀. [des.]
Estochus (!) *laevis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
 [Minn.]
Exochus laevis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
Metacoelus laevis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.
 [N.Y.]
Metacoelus laevis Brown, Canad. Ent., 1934, 66: 282. [Ont.]

TORTRICIDAE: a, tortricid leaf gall on *Solidago graminifolia*. PYRALIDIDAE: b, pyralid on *Alnus rugosa*.

***Hypsicera mansuetor* (Gravenhorst) new combination**

- Ichneumon mansuetor* Gravenhorst, Vergl. Übers. Zool. System., 1807, p. 254.
 [o.d., no locality given but probably from central Europe (?Breslau Mus.)]
Hyperacmus tineae Riley, Insect Life, 1890, 2: 213. [o.d. as a fig., hots b,
 (Adrian), Mich. (U.S.N.M.)]
Hyperacmus tineae Riley and Howard, Insect Life, 1891, 3: 461. [Mich.]
Hyperacmus ovatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♀. [o.d.,
 host a, Conn. (A.N.S.P.), Mich.]
Hyperacmus tineae Slosson, Ent. News, 1902, 13: 321. [N.H.]
Exochus ovatus Marlatt, Farmers' Bull. U. S. Dept. Agr., 1915, 659: 4 [syn.]
Hyperacmus ovatus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305.
 ♀. [des.]
Metacoelus mansuetor Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Metacoelus mansuetor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 951. [host c, N.Y.]
 TINEIDAE: a, *Tinea* sp., b, *Tineola pellionella*. PYRALIDIDAE: c, *Pyralis farinalis*.

EXOCHUS Gravenhorst

- Exochus* Gravenhorst, Ichneum. Europeae, 1829, 2: 328.
 Genotype: *Ichneumon gravipes* Gravenhorst.
Amesolytus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.
 New synonymy.
 Genotype: *Amesolytus ferrugineus* Ashmead.
Mima Davis, Trans. Amer. Ent. Soc., 1897, 24: 206, 219. Preoccupied by
 Meigen, 1820 and by Westerlund, 1886. New synonymy.
 Genotype: *Mima washingtonensis* Davis.

***Exochus albiceps* Walsh**

- Exochus albiceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 96. ♂. [o.d.,
 (?Ill.) (type destroyed)]

Exochus albiceps Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂. [key, des., Ill.]

***Exochus albifrons* Cresson**

Exochus albifrons Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Ill. (A.N.S.P.)]

Exochus albifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 94. ♂, ♀. [des.]

Exochus annulicrus Provancher, Nat. Canad., 1875, 7: 139. [key, des., Que.] Misdetermined.

Exochus albifrons Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, syn., des.]

Exochus albifrons Riley and Howard, Insect Life, 1891, 3: 461. [host b, Mo.]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host. (in part)]

Exochus albifrons Patch, Bull. Me. Agr. Exp. Sta., 1907, 148: 265. [host a, Me.]

Exochus albifrons Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

TORTRICIDAE: a, *Archips cerasivorana*; b, *Homona fervidana*.

***Exochus alpinus* Cushman**

Amerolytus flavifrons Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Exochus alpinus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

***Exochus annulicrus* Walsh**

Exochus annulicrus Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

Exochus annulicrus Riley and Howard, Insect Life, 1891, 3: 461. [host a, Mich., Mo.]

Exochus dorsalis var. *annulicrus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, des., Mich., N.H.]

Exochus dorsalis var. *annulicrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus dorsalis var. *annulicrus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

Exochus dorsalis var. *annulicrus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Exochus annulicrus Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host b, Canada]

TORTRICIDAE: a, *Homona fervidana*; b, *Peronea variana*.

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Exochus apicalis Cresson

Exochus apicalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂. [o.d., Ill. (A.N.S.P.)]

Trichlistus apicalis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

Trichlistus apicalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key syn., des., D.C., Ill., Mass., Mich., N.H. (in part)]

Trichlistus apicalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307 [key]

Trichlistus apicalis Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *a*, Fla.]

Exochus apicalis Worsham, Bull. Ga. State Bd. Ent., 1917, 48: 23. [host *a*, Ga.]

PHYCITIDAE: *a*, *Acrobasis juglandis*.

Exochus atriceps Walsh

Exochus atriceps Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

Exochus rufomaculatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 113. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]

Trichlistus atriceps Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [key, syn., des.]

Trichlistus atriceps Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key]

Exochus atriceps Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus atriceps Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

Exochus atriceps Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Exochus atrocoxalis Cresson

Exochus atrocoxalis Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Dakota Territory (A.N.S.P.)]

Exochus atrocoxalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

Exochus atrocoxalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, des., Calif., Colo., Dak., Mont., Nev., Tex., Wash.]

Exochus atrocoxalis Evans, Canad. Ent., 1896, 28: 11. [Ont.]

Exochus caeruliventris Cresson

Exochus caeruliventris Cresson, Trans. Amer. Ent. Soc., 1868, 2: 38. ♀ (not ♂). [o.d., Cordova, Mexico (A.N.S.P.)]

Exochus caeruliventris Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Exochus dorsalis Cresson

Exochus dorsalis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., N.J. (A.N.S.P.)]

Exochus dorsalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂, ♀. [key, des., Canada, Colo., Ill., Mich., N.H., N.J.]

Exochus dorsalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus dorsalis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus dorsalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

Exochus dorsalis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus dorsalis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

***Exochus emarginalus* (Say)**

Ophion emarginalus Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 76; (Leconte Ed. 1: 380). [o.d., Ind. (type destroyed)]

Anomalon emarginatus (!) Say, Boston Jour. Nat. Hist., 1835, 1: 245; (Leconte Ed. 2: 699). [des.]

Tapinops emarginatus (!) Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. [syn. (in part)]

(*Exochini*) *emarginatus* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]

Exochus emarginatus (!) Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 169. [syn.]

***Exochus evetriae* Rohwer**

Exochus (*Triclistus*) *evetriae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host *a b*, Butte Falls, Ore. (U.S.N.M.)]

Exochus evetriae Bedard, Canad. Ent., 1938, 70: 195. [host *b*, Ida.]

OLETHREUTIDAE: *a*, *Barbara colfaxiana siskiyouana*; *b*, *Barbara colfaxiana taxifoliella*.

***Exochus ferrugineus* (Ashmead) new combination**

Amesolytus ferrugineus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂, ♀. [o.d., Tex. (U.S.N.M.)]

Triclistus ferrugineus Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

***Exochus flavifrontalis* Davis**

Exochus flavifrontalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, o.d., Nev. (A.N.S.P.), Mich.]

***Exochus mandibularis* Cushman**

Polyclistus frontalis Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Exochus mandibularis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

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Exochus ostentatus Davis

Exochus ostentatus Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂. [key, o.d., D.C. (A.N.S.P.)]

Exochus pallipes Cresson

Exochus pallipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 287. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus pallipes Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Ill.]

Exochus evectus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] New synonymy.

Exochus pallipes Provancher, Nat. Canad., 1875, 7: 139. [key, Que.]

Exochus evectus Riley and Howard, Insect Life, 1891, 3: 461. [host *a*, Mo., Tex.]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host *b c*, B.C., Canada, Conn., Ill., Mass., Mich., N.C., Tex., Va. (in part)]

Exochus pallidipes Dalla Torre, Cat. Hymen., 1901, 3: 213. Emendation of *Exochus pallipes* Cresson.

Exochus pallipes Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [host *b c e*]

Exochus pallipes Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Exochus pallipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

Exochus pallipes Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Exochus pallipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host *b e*, N.Y.]

Exochus pallipes Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Exochus pallipes Putman, Canad. Ent., 1935, 67: 108. [host *b*, Ont.]

Exochus pallipes Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Exochus pallipes Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *d*, Canada]

LYONETHIDAE: *a*, *Bucculatrix* sp. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*, *Archips fervidana*; *d*, *Argyrotaenia lutosana*; *e*, *Homona fervidana*.

Exochus pictus (Fyles) new combination

Amesolytus pictus Fyles, Canad. Ent., 1904, 36: 207. (♀). [o.d., fig., host *a*, ?Levis, Qué. (U.S.N.M.)]

PHYCITIDAE: *a*, *Meroptera pravella*.

Exochus pleuralis Cresson

Exochus pleuralis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., Ill. (A.N.S.P.)]

Exochus pallipes var. *pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216.

♂. [key, des.] P. 348, correction.

Exochus pallidipes var. *pleuralis* Dalla Torre, Cat. Hymen., 1901, 3: 213. [syn.]

Exochus pallipes var. *pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

Exochus pleuralis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Exochus pleuralis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus pleuralis Knowlton, Jour. Econ. Ent., 1937, 30: 379–380. [host *a c*, Ut.]

Exochus pleuralis Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *b*, Ut.]

GELECHIIDAE: *a*, *Anacampsis fragariella*. OLETHREUTIDAE: *b*, *Ancylis complana*; *c*, *Ancylis complana fragariae*.

Exochus scitulus Provancher

Exochus scitulus Provancher, Nat. Canad. 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

Exochus semirufus Cresson

Exochus semirufus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Conn., Mass.]

Exochus semirufus Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, des., Que.]

Mesoleius inflatifrons Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

Exochus rufigaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♀. [o.d., Tex. (U.S.N.M.)]

Exochus semirufus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Exochus solitarius Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, o.d., Canada (A.N.S.P.)] New synonymy. The "type" is an abdomen of

Exochus semirufus and head and thorax of another species of *Exochus*. The abdomen is hereby chosen lectotype.

Exochus semirufus Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♂, ♀. [key, syn., des., Canada, Mass., Mich., N.H., Tex.]

Exochus semirufus Nason, Ent. News, 1905, 16: 168. [Ill.]

Exochus semirufus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

Exochus semirufus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

Exochus semirufus Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Exochus terminalis (Ashmead) new combination

Triclistus terminalis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂. [o.d., Washington, D.C. (U.S.N.M.)]

Triclistus apicalis Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀.
[key, des., D.C., Ill., Mass., N.H. (in part)]

***Exochus washingtonensis* (Davis) new combination**

Mima washingtonensis Slosson, Ent. News, 1895, 6: 317. [N.H.] Nomen nudum.

Mima washingtonensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 219. ♀.
[o.d., Mt. Washington, N.H. (U.S.N.M.)]

Polyclistus washingtonensis Dalla Torre, Cat. Hymen., 1901, 3: 217. [syn.]

***Exochus xanthopsis* Ashmead**

Exochus xanthopsis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂.
[o.d., Victoria, B.C. (U.S.N.M.)]

Exochus pallipes Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host (in part)]

Exochus xanthopsis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Subfamily 11. OPHIONINAE

Tribe 1. CAMPOPLEGINI

PYRACMON Holmgren

Pyracmon Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 101.

Genotype: *Pyracmon fumipennis* Zetterstedt.

Rhimphoctona Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Pyracmon fulvipes* Holmgren.

Helcostizidea Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 185. New synonymy.

Genotype: *Cubocephalus atrocoxalis* Ashmead.

Pyracmonoides Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Pyracmonoides separatum* Viereck.

***Pyracmon alaskensis* (Ashmead) new combination**

Cubocephalus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.
[key, o.d., Alaska (U.S.N.M.)]

***Pyracmon atrocoxalis* (Ashmead) new combination**

Cubocephalus atrocoxalis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.
[key, o.d., Alaska; Wash. (U.S.N.M.)]

Helcostizidea atrocoxalis Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. [syn.]

***Pyracmon idahoensis* Davis**

Pyrachmon (!) *idahoensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♀.
[o.d., Moscow, Ida. (type lost)]

Pyracmon idahoensis Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon macdunnoughi Viereck

Pyracmon macdunnoughi Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♀. [des., Nordegg, Alta. (C.N.C.)]

Campoplex (Ecphora) alternatus Viereck, Canad. Ent., 1925, 57: 202. [o.d. in key]; 1926, 58: 282. ♀. [des., Seven Isles, Que. (C.N.C.)] New synonymy.

Pyracmon lipoparium (Viereck) new combination

Pyracmonoides lipoparium Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Sudbury, Ont. (C.N.C.)]

Pyracmon macrocephalum (Provancher)

Limneria macrocephala Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria macrocephala Provancher, Nat. Canad., 1875, 7: 149. [key]

Pyracmon macrocephalum Provancher, Nat. Canad., 1879, 11: 175, 182; (Faune, p. 374). ♂, ♀. [key, des., fig., Que.]

Pyracmon macrocephalum Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Pyracmon (!) *aldrichi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂, ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

Cubocephalus nigricornis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀. [key, o.d., Alaska; Sherbrooke, Que. (U.S.N.M.)] New synonymy.

Pyracmonoides macrocephalum Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 283. [syn.]

Pyracmonoides succineum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 300. ♂. [des., Smiths Cove, N.S. (C.N.C.)] New synonymy.

Pyracmonoides trochantericum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Teulon, Man. (C.N.C.)] New synonymy.

Pyracmon aldrichi Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon macrocephalum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Pyracmon separatum (Viereck) new combination

Pyracmonoides separatum Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 298. ♂, ♀. [des., Fort Cudahy, Yukon (C.N.C.)]

Pyracmon vancouverensis Harrington

Pyracmon vancouverensis Harrington, Canad. Ent., 1894, 26: 246. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

Pyracmon vancouverensis Viereck, Canad. Ent., 1925, 57: 180. [key]

Pyracmon xanthognatha (Rohwer) new combination

Helcostizidea xanthognatha Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. ♀. [o.d., Columbia Falls, Mont. (U.S.N.M.)]

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Helcostizidea xanthognatha Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

NEMERITIS Holmgren

Nemeritis Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 104.

Genotype: *Campoplex macrocentrus* Gravenhorst.

Nemeritis macrurus (Viereck) new combination

Campoplex (*Campoplex*) *macrurus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Saanich, B.C. (C.N.C.)]

CYMODUSA Holmgren

Cymodusa Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327.

Genotype: *Cymodusa leucocera* Holmgren. Monobasic.

Cymodusa distincta (Cresson)

Mesoleptus subrubidus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 264. ♂. [o.d., Ill. (A.N.S.P.), N.J.] New synonymy.

Mesoleptus distinctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., N.J. (A.N.S.P.)]

Limneria subrubida Cresson, Synops. Hymen. N. Am'., 1887, p. 204. [syn.]

Limneria subrubida Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Meloboris subrubida Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Limnerium subrubidum Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]

Limneria subrubida Nason, Ent. News, 1905, 16: 152. [Ill.]

Limnerium vigilis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 179. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Idechthis biconjunctus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

?*Cymodusa leucocera* var. Roman, Ent. Tidskr., 1910, 31: 158. [des., N.J.] ?Misdetermined.

Cymodusa distincta Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. [des., Va.]

Cymodusa distincta Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. ♂, ♀. [des., Conn.]

Campoplex (*Nepiera*) *amasecontorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Cymodusa distincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Cymodusa plesius Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Cymodusa distincta Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

Campoplex (*Campoplex*) *vigilis* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Cymodusa distincta Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 130. [Me.]

Cymodusa distincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Cymodusa distincta Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

***Cymodusa melanocera* Viereck**

Cymodusa melanocera Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 3. ♂. [des., Saanich District, B.C. (C.N.C.)]

Cymodusa gracilicornis Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Georgetown, Ont. (C.N.C.)] New synonymy.

Cymodusa melanocera Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Cymodusa partis* (Viereck) new combination**

Campoplex (*Diadegma*) *partis* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♂. [des., Aylmer, Que. (C.N.C.)]

***Cymodusa provancheri* Viereck**

Cymodusa provancheri Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [syn. (in part), Kentville, N.S. (C.N.C.)]

CYMODUSOPSIS Viereck

Cymodusopsis Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588.

Genotype: *Cymodusopsis aristoteliae* Viereck.

***Cymodusopsis aristoteliae* Viereck**

Cymodusopsis aristoteliae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588. ♂, ♀. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

GELECHIIDAE: *a*, *Aristotelia pudibundella*.

CAMPOPLEX Gravenhorst

Campoplex Gravenhorst, Ichneum. Europeae, 1829, 3: 453.

Genotype: *Ichneumon difformis* Gmelin.

Sinophorus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: (*Limneria* (*Sinophorus*) *canarsiae* Ashmead) = *validus* Cresson.

Omorgus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Erichson, 1847.

Genotype: *Limneria mutabilis* Holmgren.

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Omorga Thomson, Opusc. Ent., 1887, 11: 1052, 1125.

Genotype: *Limneria mutabilis* Holmgren.

Eulimneria Schmiedeknecht, Hymen. Mitteleur., 1907, p. 600. New synonymy.

Genotype: *Campoplex xanthostomus* Gravenhorst.

Campoletidea Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. New synonymy.

Genotype: *Campoplex* (*Campoletidea*) *caradrinae* Viereck.

Sesioplex Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. New synonymy.

Genotype: *Campoplex* (*Sesioplex*) *depressus* Viereck.

Pseuderipternoides Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269. New synonymy.

Genotype: *Limneria porrecta* Cresson.

***Campoplex albicinctus* (Viereck) new combination**

Pyracmon albicinctum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♂, ♀. [des., Oliver, B.C. (C.N.C.)]

***Campoplex angularis* Viereck**

Campoplex (*Campoplex*) *angularis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♂, ♀. [des., Norway Point, Lake of Bays, Ont. (C.N.C.)]

***Campoplex argenteus* (Provancher) new combination**

Limneria argentea Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria argenta (!) Provancher, Nat. Canad., 1875, 7: 148. [key]

Limneria argentea Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]

Limneria argentea Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

Limneria argentea Provancher, Nat. Canad., 1887, 17: 76. [Que.]

Limnerium argenteum Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

Limneria argentea Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Campoplex*) *ontario* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex ontario Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44. [host *a*, S.C.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*.

***Campoplex argyresthiae* (Rohwer)**

Phaedroctonus argyresthiae Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 162. ♂, ♀. [o.d., host *a*, Ashland, Ore. (U.S.N.M.)]

Campoplex (Nemeritis) argyresthiae Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

YPONOMEUTIDAE: a, *Argyresthia libocedrella*.

Campoplex atridens new name

Campoplex (Campoplex) erythromera Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♂. [des., Jordon, Ont. (C.N.C.)] Preoccupied by Viereck, 1925.

Campoplex caradrinae Viereck

Campoplex (Campoletidea) caradrinae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. ♂. [o.d., host a, Rocky Ford, Colo. (U.S.N.M.)]

PHALAEINIDAE: a, *Laphygma exigua*.

Campoplex cavus Viereck

Campoplex (Campoplex) cavus Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 149. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex conocola (Rohwer) new combination

Pyracmon conocola Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♂, ♀. [o.d., host a b, Ore. and Calif. (U.S.N.M.)]

OLETHREUTIDAE: a, ?*Barbara colfaxiana taxifoliella*. PHYCITIDAE: b, *Dioryctria* sp. in cones of *Pinus coulteri*.

Campoplex coxalis (Cushman) new combination

Phaedroctonus coxalis Slosson, Ent. News, 1900, 11: 319. [N.H.] Nomen nudum.

Cymodusa coxalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

Cymodusa coxalis Viereck, Canad. Ent., 1925, 57: 179. [key]

Campoplex cupressi (Ashmead)

Limneria cupressi Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host a, Marion Co., Calif. (U.S.N.M.)]

Limneria cupressi Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]

Limnerium cupressi Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Phaedroctonus minutus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

Campoplex (Nemeritis) cupressi Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 181. [syn.]

Campoplex (Nemeritis) minutus Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

Phaedroctonus cupressi Cushman, Jour. Wash. Acad. Sci., 1925, 25: 559. [syn.]
Miscellaneous: a, dipterous gall on *Cupressus macrocarpus*.

Campoplex depressus Viereck

Campoplex (Sesioplex) depressus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

♀. [o.d., host a, La. (U.S.N.M.)]

Sesioplex depressus Viereck, Canad. Ent., 1925, 57: 177. [key]

Sesioplex relativus Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 1926, 58: 298. ♀. [des., host b, Ottawa, Ont. (C.N.C.)] New synonymy.

Sesioplex depressus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*. Miscellaneous: b, gall on *Solidago* sp.

Campoplex dimidiatus (Cresson)

Mesoleptus? dimidiatus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♀.
[o.d., Ill. (A.N.S.P.)]

Limneria dimidiata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limneria dimidiata Riley and Howard, Insect Life, 1890, 3: 157. [host a, Ind.]

Limnerium dimidiatum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limnerium dimidiatum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.
[host a]

Campoplex dimidiatus Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host a, N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

Campoplex epinotiae Viereck

Campoplex epinotiae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀.
[o.d., host a, Carmel, Calif. (U.S.N.M.)]

Omorgus epinotiae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex epinotiae Viereck, Canad. Ent., 1925, 57: 225. [key]

OLETHREUTIDAE: a, *Epinotia arctostaphylana*.

Campoplex erythromerus Viereck

Campoplex (Nemeritis) erythromerus Viereck, Canad. Ent., 1925, 57: 178.
[o.d. in key]; 1926, 58: 177. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex frustranae Cushman

Campoplex frustranae Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host a]
Nomen nudum.

Campoplex frustranae Cushman, Jour. Agr. Res., 1927, 34: 739. ♂, ♀. [o.d.,
host a, Falls Church, Va. (U.S.N.M.)]

Campoplex frustranae Marlatt, Rpt. Chief U. S. Bur. Ent., 1928, p. 29. [host a,
Neb.]

Campoplex frustranae Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 48. [host *a*, Neb.]

Campoplex frustranae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana*.

Campoplex furus (Cresson)

Limneria fura Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria fura Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria melanocoxa Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. ♀. [key, o.d., Bosque Co., Tex. (U.S.N.M.)] The type of this and of *L. fura* Cresson is the same specimen. New synonymy.

Limneria fura Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Fla., Tex.]

Limneria melanocoxa Howard, Insect Life, 1894, 6: 372. [host *b*]

Limnerium furum Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Limnerium melanocoxum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limneria fura Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Campoplex*) *fura* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

TORTRICIDAE: *a*, ?tortricid. PYRAUSTIDAE: *b*, *Loxostege sticticalis*.

Campoplex fusiformis (Provancher) new combination

Limneria fusiformis Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria fusiformis Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria fusiformis Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 371). [key, des.]

Limneria fusiformis Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limnerium fusiforme Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Amorphota ferruginosa Viereck, Trans. Amer. Ent. Soc., 1906, 32: 220. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

Campoplex (*Campoplex*) *grossulariflorae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀) [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (*Campoplex*) *maquinnai* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀). [o.d. in key, Milldale, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (*Campoplex*) *pentagoetorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Neonortonia scaposa Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.

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- Pseuderipternoides deceptus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Pseuderipternoides neglectus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), Que.] New synonymy.
- Pseuderipternoides pulchellus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 303. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Cymodusa fusiforme* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]
- Campoplex maquinnæ* (!) Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex pentagoetorum* Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex* (*Campoplex*) *hullensis* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 144. ♀. [des., Hull, Que. (C.N.C.)] Preoccupied in *Campoplex* by Viereck, 1925. New synonymy.
- Campoplex* (*Campoplex*) *signatus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *ferruginosus* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 176. [syn.]
- Campoplex grossulariflorae* Viereck, Canad. Ent., 1925, 57: 226. [key]

***Campoplex hexagonalis* (Viereck) new combination**

- Pseuderipternoides hexagonalis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Lethbridge, Alta. (C.N.C.)]

***Campoplex hullensis* (Viereck)**

- Neonortonia hullensis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Hull, Que. (C.N.C.)]
- Campoplex* (*Ischnoscopus*) *hullensis* Viereck, Canad. Ent., 1926, 58: 199. [key, syn.]
- Ischnoscopus hullensis* Viereck, Canad. Ent., 1926, 58: 283. [syn.]

***Campoplex hyalinus* (Provancher)**

- Limneria hyalina* Provancher, Nat. Canad., 1874, 6: 147. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria hyalina* Provancher, Nat. Canad., 1875, 7: 148. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 364). [key, des.]
- Limneria hyalina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Limneria hyalina* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]
- Limnerium hyalinum* Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]
- Neonortonia crassata* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Marshalls Bay, Arnprior, Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) moderatus Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 143. ♀. [des., Eldorado, Hastings Co., Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) deceptivus Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Kingsmere, Que. (C.N.C.)] New synonymy.

Campoplex (Diadegma) hyalina Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Campoplex moderatus Walley, Canad. Ent., 1933, 65: 254. ♂, ♀. [des., host a b]

Campoplex hyalina Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

OLETHREUTIDAE: a, *Exartema cornanum*; b, *Exartema permundanum*.

Campoplex infumatus (Provancher) new combination

Limneria infumata Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria infumata Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria infumata Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

Limneria infumata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limneria infumata Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limnerium infumatum Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Campoplex (Hyposoter) parallelus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.

Campoplex (Campoplex) algonquinorum Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.

Campoplex (Campoplex) grimsbyensis Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Grimsby, Ont. (C.N.C.)] New synonymy.

Limneria infumata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoplex laspeyresiae (Rohwer) new combination

Meleborus (!) laspeyresiae Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 161. ♀. [o.d., host a, Talent, Ore. (U.S.N.M.)]

OLETHREUTIDAE: a, *Laspeyresia "loreuta."*

Campoplex macer (Cresson)

Mesoleptus macer Cresson, Proc. Ent. Soc. Phila., 1865, 4: 262. ♀. [o.d., Colo. (A.N.S.P.)]

Campoplex (Angitia) macer Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. [key, Conn.]

Campoplex (Angitia) macer, Viereck, Canad. Ent., 1926, 58: 282. [syn.]

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Angitia macer Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]
Angitia macer, Walley, Canad. Ent., 1927, 61: 192. [key, Ont.]

Campoplex milleri (Rohwer)

Angitia milleri Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♀. [o.d., host
 a, Ashland, Ore. (U.S.N.M.)]

Campoplex (Angitia) milleri Viereck, Canad. Ent., 1925, 57: 227. [key]

PHYCITIDAE: a, *Dioryctria abietella*.

Campoplex nanana new name

Phaedroctonus epinotiae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 559. ♂,
 ♀. [o.d., host a, Bristol, Me. (U.S.N.M.)] Preoccupied in *Campoplex*
 by Viereck, 1912.

OLETHREUTIDAE: a, *Epinotia nanana*.

Campoplex nigricinctus (Ashmead)

Limneria nigricincta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀.
 [key, o.d., host a b, N.C.; Washington, D.C. (U.S.N.M.)]

Limnerium nigricinctum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Omorgus nigricincta Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (Campoplex) nigricinctus Viereck, Canad. Ent., 1925, 57: 225.
 [key]; 1926, 58: 176. [syn.]

Campoplex nigricincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 956. [N.Y.]

TINEIDAE: a, tineid on *Betula lenta*. Miscellaneous: b, sawfly on *Betula lenta*.

Campoplex nigricoxa (Provancher) new combination

Limneria nigricoxa Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786).
 ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

Limneria nigricoxa Provancher, Addit. Faune Canada, Hymen., 1886, p. 86.
 [key]

Limnerium nigricoxum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Campoplex nigripes (Viereck) new combination

Neonortonia nigripes Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57:
 300. ♂. [des., Greys Mills, N.B. (C.N.C.)]

Neonortonia laevisima Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key];
 57: 301. ♂. [des., Annapolis, N.S. (C.N.C.)]. New synonymy.

Campoplex nolae (Ashmead)

Limneria nolae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀. [key,
 o.d., host b, Los Angeles, Calif. (U.S.N.M.)]

Limneria notae (!) Slosson, Ent. News, 1895, 6: 317. [N.H.]

Meloboris notae (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

Limnerium nolae Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium obscurum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn. (in part)]

Omorgus nolae Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *a*, Pa.]

Omorgus nolae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (*Campoplex*) *nolae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. [key, Conn.]

Campoplex nolae Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 9. [syn.]

Campoplex (*Hyposoter*) *fuscitarsatus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

Campoplex (*Campoplex*) *nolae* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

Campoplex (*Campoplex*) *aylmerensis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

OLETHREUTIDAE: *a*, *Polychrosis viteana*. NOLIDAE: *b*, *Nola* sp. on *Salix* sp.

Campoplex phthorimaeae (Cushman)

Omorgus phthorimaeae Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀. [key, o.d., host *b*, Pasadena, Calif. (U.S.N.M.)]

Campoplex phthorimaeae Graf, Bull. U. S. Dept. Agr., 1917, 427: 38. [fig., biol., host *b*, Calif.]

Campoplex (*Omorgus*) *phthorimaeae* Chittenden, Canad. Ent., 1922, 54: 174. [host *c*, Calif.]

Campoplex phthorimaeae Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Campoplex (*Campoplex*) *phthorimaeae* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

Campoplex phthorimaeae Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16. [host *b*, Va.]

Campoplex phthorimaeae Campbell, Pan-Pacific Ent., 1927, 4: 83. [host *c*, Calif.]

Campoplex phthorimaeae Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61: 621, 622. [host *a b*, Va.]

Campoplex phthorimaeae Poos, Proc. Ent. Soc. Wash., 1928, 30: 147. [host *b*, Va.]

GELECHIIDAE: *a*, *Keiferia glochinella*; *b*, *Gnorimoschema operculella*. PYRAUSTIDAE: *c*, *Phlyctaenia rubigalis*.

Campoplex polychrosidis Viereck

Campoplex polychrosidis Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀. [o.d., host *a b*, Hyattsville, Md. (U.S.N.M.)]

Omorgus polychrosidis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

Campoplex (*Campoplex*) *polychrosidis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. [key]

Campoplex polychrosidis Viereck, Canad. Ent., 1925, 57: 225. [key]

Campoplex polychrosidis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

OLETHREUTIDAE: *a*, *Polychrosis carduana*. PTEROPHORIDAE: *b*, *Platyptilia cardui-dactyla*.

Campoplex popofensis (Ashmead) new combination

Zachresta popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

Campoplex porrectus (Cresson) new combination

Mesoleptus porrectus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., Del. (A.N.S.P.)]

Mesoleptus subtenuis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

Limneria ruficoxa Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria ruficoxa Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). [key, des.]

Limneria ruficoxa Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limneria ruficoxa Provancher, Nat. Canad., 1887, 16: 46. [Que.]

Limneria ruficoxa Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limnerium ruficoxum Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Olesicampa melanerythrogaster Viereck, Trans. Kans. Acad. Sci., 1905, 19: 306.

♂, ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)] New synonymy.

Casinaria (*Pseuderipternoides*) *porrecta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des., Conn.]

Pseuderipternoides porrectus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Nemeritis ruficoxa Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Pseuderipternoides melanerythrogaster Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

Pseuderipternoides porrectus Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

Campoplex ruficoxa Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Nemeritis ruficoxa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Pseuderipternoides porrectus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [syn., Mass.]

Campoplex relativus (Viereck)

Amorphota relativa Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)]

Campoplex (*Campoplex*) *relativus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Campoplex ruficinctum (Viereck) new combination

Pyraemon ruficinctum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♂. [des., Lethbridge, Alta. (C.N.C.)]

Campoplex rufipes (Provancher) new combination

Limneria rufipes Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria rufipes Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria rufipes Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]

Limneria mellipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key] Lapsus for *Limneria rufipes*.

Limneria rufipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria rufipes Riley and Howard, Insect Life, 1890, 3: 158. [host b, D.C.]

Limneria rufipes Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Limnerium rufipes Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Limneria rufipes Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (*Nemeritis*) *melanomerus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Campoplex (*Nemeritis*) *decoratus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)] New synonymy.

Campoplex (*Nemeritis*) *laevis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.

Phaedroctonus piceae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♂, ♀. [o.d., host a c, Georgetown, Me. (U.S.N.M.), Mass.] New synonymy.

GELECHIIDAE: a, *Recurvaria piceaella*. TORTRICIDAE: b, "*Tortrix*" on *Quercus* sp. OLETHREUTIDAE: c, *Epinotia nanana*.

Campoplex sulcatellus Viereck

Campoplex (*Campoplex*) *sulcatellus* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♀. [des., Indian Head, Sask. (C.N.C.)]

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Campoplex tecumseh Viereck

Campoplex (Campoplex) tecumseh Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♂. [des., Jordon, Ont. (C.N.C.)]

Campoplex temporalis (Cushman) new combination

Phaedroctonus temporalis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♀. [o.d., host *a*, Groton, Vt. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Laspeyresia youngana*.

Campoplex tineavora (Rohwer)

Angitia tineavora Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 160. ♂, ♀. [o.d., host *a*, Mistletoe, Ore. (U.S.N.M.)]

Campoplex (Angitia) tineavora Viereck, Canad. Ent., 1925, 57: 227. [key]

TINEIDAE: *a*, tineid in *Polyporus dryophilus*.

Campoplex tortricidis (Cushman)

Omorgus tortricidis Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. ♂, ♀. [key, o.d., host *b*, North East, Pa. (U.S.N.M.)]

Campoplex tortricidis Cushman, Proc. Ent. Soc. Wash., 1926, 28: 50. [fig., biol.]

Campoplex tortricidis Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *a*, Ohio]

OLETHREUTIDAE: *a*, *Grapholitha molesta*; *b*, *Polychrosis viteana*.

Campoplex ultimus Viereck

Campoplex (Campoplex) ultimus Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex uniformis Viereck

Campoplex (Nemeritis) uniformis Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Banff, Alta. (C.N.C.)]

Campoplex valens (Cresson) new combination

Mesoleptus valens Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)]

Casinarina compacta Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Pyracmon valens Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6. [syn.]

Campoplex validus (Cresson)

Mesoleptus? validus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 258. ♂, ♀. [o.d., Pa. (A.N.S.P.)]

- Mesoleptus montanus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.
- Limneria excavata* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria valida* Provancher, Nat. Canad., 1879, 11: 174; (Faune, p. 367). [key, syn., des., fig.]
- Limneria valida* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Limneria valida* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria teratis* Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *a*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria valida* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limneria* (*Sinophorus*) *canarsiae* Ashmead, Proc. Ent. Soc. Wash., 1897, 4: 126. ♀. [o.d., fig., host *c*, Normal, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 23. [fig., biol., host *g p r*, D.C.]
- Limneria valida* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host *g*, D.C.]
- Limnerium triste* (!) Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.] Lapsus for *Limnerium teratis*.
- Limnerium validum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria valida* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Amorphota augusta* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.
- Limnerium canarsiae* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.]
- Limnerium validum* Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 43-44, 49-57, 62. [biol., host *p*, parasite *a b*]
- Limnerium validum* Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 71-92. [fig., biol., host *e h i j*, morphology]
- Limnerium validum* Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *p*, N.B.]
- Campoplex* (*Ameloctonus*) *validus* Baird, Proc. Ent. Soc. B.C., 1920, 11: 102. [host *f*, B.C.]
- Campoplex* (*Ameloctonus*) *validus* Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.) 3: 74-76. [fig., biol., host *p*, B.C., N.B., N.S., Ont., Que.]
- Sesioplex validus* Viereck, Canad. Ent., 1925, 57: 177. [key]
- Campoplex* (*Ecphora*) *canadensis* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 282. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *justus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. (as *Campoplex justus* (!)). ♀. [des., Sudbury, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *militaris* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex (Campoplex) augustus Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

Eulimneria valida Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Sesioplex validus Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [fig., biol.]

Sesioplex validus Viereck, Canad. Ent., 1926, 58: 283. [syn.]

Sesioplex validus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Eulimneria valida Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

Sesioplex validus Balduf, Ohio Jour. Sci., 1929, 29: 235. [des., biol., host b, Ill.]

Eulimneria valida Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Eulimneria valida Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host d e g k l m n o p q, New England, N.J., N.Y.]

TORTRICIDAE: a, *Peronea minuta*. PHYCITIDAE: b, *Phlyctaenia tertialis*. PYRAUSTIDAE: c, *Psorosina hammondi*. GEOMETRIDAE: d, *Calocalpe undulata*. LASIOCAMPIDAE: e, *Malacosoma americanum*; f, *Malacosoma disstria erosum*. LYMANTRIDAE: g, *Hemerocampa leucostigma*; h, *Notolophus antiquus*; i, *Nygmia phaeorrhea*; j, *Porthetria dispar*. NOTODONTIDAE: k, *Ichthyura inclusa*; l, *Ichthyura strigosa*; m, *Schizura concinna*. ARCTIIDAE: n, *Cycnia tenera*; o, *Euchaetias egle*; p, *Hyphantria cunea*; q, *Isia isabella*. ICHNEUMONIDAE: r, *Iseropus coelebs*.

Parasites. Chalcididae: a, *Dibrachys cavus*; b, *Perilampus hyalinus*.

NYTHOBIA Foerster

Nythobia Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Meloboris pusio* Holmgren.

Nythobia brachyura (Viereck) new combination

Campoplex (Nemeritis) brachyurus Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., Georgetown, Ont. (C.N.C.)]

Nythobia minuta Cushman

Zaporus minutus Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

Nythobia minuta Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 19. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

IDECHTHIS Foerster

Idechthis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Genotype: (*Idechthis oahuensis* Ashmead) = *canescens* Gravenhorst.

Idechthis canescens (Gravenhorst)

Campoplex canescens Gravenhorst, Ichneum. Europeae, 1829, 3: 555. ♀. [o.d., Tauria, Europe (?Breslau Mus.)]

Cryptus ductilis Say, Boston Jour. Nat. Hist., 1836, 1: 233; (Leconte Ed., 2: 690). ♀. [o.d., Ind. (type destroyed)]

- Campoplex frumentarius* Rondani, Bull. Soc. Ent. Ital., 1877, 9: 169. [o.d., host, (Italy) (location of type unknown)]
- Limneria ductilis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Omorga columbiana* Johnson, Bull. U. S. Dept. Agr., Div. Ent., 1899, 20: 67. [host c] Nomen nudum.
- Idechthis ephestiae* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 86. [host c, Ont.] Nomen nudum.
- Limneria ductilis* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Omorgus* (*Campoplex*) *frumentarius* Newell and Smith, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 52: 72. [host c, Ga.]
- Omorga frumentaria* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 104: 30. [fig., biol., host a]
- Omorgus frumentarius* Popenoe, Cir. U. S. Dept. Agr., 1911, 142: 3. [host d]
- Idechthis* sp. Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. ♀. [fig., host c]
- Omorga frumentaria* Back, Bull. U. S. Dept. Agr., 1920, 872: 11. [host c]
- Campoplex* (*Nemeritis*) *canescens* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 161. [syn., Mich.]
- Nemeritis canescens* Champlain, Psyche, 1922, 29: 96. [Pa.]
- Nemeritis canescens* Richmond, Cir. State Ent. Colo., 1925, 47: 74. [biol., host e, Colo.]
- Nemeritis canescens* Richmond, Jour. Econ. Ent., 1925, 18: 425. [host e, Colo.]
- Irechthis* (!) *canescens* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]
- Idechthis canescens* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]
- Nemeritis canescens* Essig, Insects of Western N. Amer., 1926, p. 79f. [des., host c, Calif.]
- Nemeritus* (!) *canesceus* (!) Paddock, Amer. Bee Jour., 1926, 66: 555. [syn., host e, Ut.]
- Nemeritis canescens* Whiting, Psyche, 1928, 35: 125-126. [biol., host c, Mass.]
- Nemeritis canescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Nemeritis canescens* Diamond, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 84-89. [biol., host c]
- Nemeritis canescens* Dunham, Amer. Bee Jour., 1929, 69: 396. [des., fig., biol., host d, Ohio]
- Nemeritis canescens* Hamlin, Reed, and Phillips, Tech. Bull. U. S. Dept. Agr., 1931, 242: 23. [host d, Calif.]
- Nemeritis canescens* personnel of Dried Fruit Insect Lab. at Fresno Calif., Monthly Bull. Calif. Dept. Agr., 1934, 23: 205. [host b, Calif.]
- Nemeritis canescens* Donohoe and Barnes, Jour. Econ. Ent., 1934, 27: 1070-1072. [host b, Calif.]
- Idechthis canescens* Back & Cotton, Farmers' Bull. U. S. Dept. Agr., 1938, 1260, revised: 43. [des., fig., biol., host c]

PHYCITIDAE: a, *Ephestia cautella*; b, *Ephestia figulilella*; c, *Ephestia kuehniella*; d, *Plodia interpunctella*. GALLERIIDAE: e, *Galleria mellonella*.

Idechthis erythropus (Ashmead)

Limneria erythropus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂.
[key, o.d., Tex. (U.S.N.M.)]
Limnerium erythropum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]
Idechthis erythropus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]

Idechthis gelechia (Ashmead)

Limneria gelechia Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key,
o.d., host b, Kirkwood, Mo. (U.S.N.M.)]
Limnerium gelechia Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]
Idechthis gelechia Parker, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 107.
[host a, Kans.]
GELECHIIDAE: a, *Fascista cercerisella*; b, "*Gelechia*" sp.

Idechthis nigricoxalis Cushman

Idechthis nigricoxalis Cushman, Proc. U. S. Nat. Mus., 1915, 48: 512. ♂, ♀.
[o.d., host a c, Youngstown, N.Y. (U.S.N.M.), Ga.]
Idechthis nigricoxalis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]
Idechthis nigricoxalis Merritt, Jour. Econ. Ent., 1933, 26: 789. [host b, Mich.]
AEGERIIDAE: a, *Sanninoidea exitiosa*. OLETHREUTIDAE: b, *Grapholitha molesta*.
PHYCITIDAE: c, *Euzophera semifuneralis*.

Idechthis nigriscapus Viereck

Idechthis nigriscapus Viereck, Psyche, 1921, 28: 77. ♀. [o.d., Glencarlyn,
Va. (M.C.Z.), Md.]
Idechthis nigriscapus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
[key]
Idechthis mimicus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185.
♂. [key, o.d., Georgetown, Ont. (C.N.C.)] New synonymy.
Idechthis nigriscapus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Idechthis sokanakiakorum (Viereck)

Casinarina (Idechthis) sokanakiakorum Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 270. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp.
Sta.)]
Idechthis sokanakiakorum Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5:
185. [key]

CHAROPS Holmgren

Charops Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 324.

Genotype: *Campoplex decipiens* Gravenhorst.

Casinaria Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. New synonymy.

Genotype: *Campoplex tenuiventris* Gravenhorst.

Amorphota Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: (*Amorphota orgyiae* Howard) = *limenitidis* Howard.

Campotrephus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

Alcima Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

Anempheres Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Genotype: (*Anempheres diaphaniae* Viereck) = *infesta* Cresson.

Trophocampa Schmiedeknecht, Hymen. Mitteleur., 1907, 2: 598. New synonymy.

Genotype: *Casinaria mesozosta* Gravenhorst.

Fiebrigia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. New synonymy.

Genotype: *Campoplex texanus* Ashmead.

Zacharops Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. New synonymy.

Genotype: *Charops annulipes* Ashmead.

Neonortonia Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. New synonymy.

Genotype: *Casinaria* (*Neonortonia*) *genuina* Norton.

Zastenomorpha Viereck, Psyche, 1921, 28: 81. New synonymy.

Genotype: *Zastenomorpha lamina* Viereck.

Zastenogastra Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 259. New synonymy.

Genotype: *Zastenogastra graciliventris* Viereck.

Charops ambigua new name

Nematopodius texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 414. ♂.

[o.d., Tex. (U.S.N.M.)] Preoccupied in *Charops* by Ashmead, 1890.

Charops annulipes Ashmead

Charops annulipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. * ♂. [o.d., Mo. (U.S.N.M.)]

Zacharops annulipes Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. [syn.]

Charops eupitheciae (Viereck) new combination

Casinaria eupitheciae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♂, ♀. [o.d., host a, East River, Conn. (U.S.N.M.)]

Casinaria scabriformis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. ♀. [o.d., Castle Rock, Delaware Co., Pa. (U.S.N.M.)] New synonymy.

- Casinaria* (*Casinaria*) *eupitheciae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. [des., Conn.]
- Neonortonia eupitheciae* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]
- Campoplex* (*Hypothereutes*) *impetitus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 223. ♀. [des., Brule River Camp, Riordan Limits, Que. (C.N.C.)]
- Casinaria scabriformis* Allen and Painter, Jour. Agr. Res., 1937, 55: 225. [host d, Kans.]
- Casinaria eupitheciae* Walley, Sci. Agr., 1940, 20: 651. [syn.]
- Casinaria semiothisae* Walley, Canad. Ent., 1941, 73: 169. ♂, ♀. [o.d., host b c, Mattawa, Ont. (C.N.C.), Que.] New synonymy.
- Casinaria eupitheciae* Walley, Canad. Ent., 1941, 73: 169. [syn., des., Pa.]
- GEOMETRIDAE: a, *Eupithecia miserulata*; b, *Semiothisa bisignata*; c, *Semiothisa granitata*. CHLOROPIDAE: d, *Meromyza americana*.

Charops genuina (Norton) new combination

- Campoplex genuinus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♂, ♀. [o.d., Farmington, Conn. (Yale Univ.)]
- Mesoleptus major* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♂. [o.d., biol., Del. (A.N.S.P.)] New synonymy.
- Mesoleptus major* Provancher, Nat. Canad., 1875, 7: 270, 271. [key, Que.]
- Campoplex niger* Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). ♀. [key, o.d., fig., Que. (M.P.Q.)]
- Limneria genuina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]
- Limneria genuina* var. *niger* Provancher, Nat. Canad., 1882, 13: 364. [syn.]
- Limneria genuina* Taylor, Canad. Ent., 1884, 16: 91. [biol., B.C.]
- Limneria genuina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria major* Cresson, Synops. Hymen. N. Amer., 1887, p. 203. [syn.]
- Casinaria major* Riley and Howard, Insect Life, 1890, 3: 157. [host f, Tex.]
- Exetastes? niger* Davis, Proc. Acad. Nat. Sci. Phila., 1894, 21: 188. [syn.]
- Limneria major* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limnerium majus* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]
- Exetastes provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 73. New name for *Campoplex niger* Provancher.
- Campoplex genuinus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host e]
- Anephares(!) rufipes* Hancock, Nature Sketches in Temperate America, 1911, p. 177. ♀. [o.d., biol., fig., host d (? Chicago Ill.) (U.S.N.M.)] New synonymy.
- Casinaria* (*Neonortonia*) *genuina* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

Casinaria (Neonortonia) genuina Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. [des.]

Exetastes suaveolens Gahan, Proc. U. S. Nat. Mus., 1919, 55: 114. [syn. (in part)]

Neonortonia genuina Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta., B.C.]

Neonortonia genuina Viereck, Canad. Ent., 1925, 57: 179. [key]

Casinaria genuina Cole, Ent. News, 1931, 42: 9. [host *a*, Mich.]

Neonortonia major Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *b c*, Me., Mass., N.H., Vt.]

Casinaria genuina Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

PHALAEINIDAE: *a*, *Acrionicta oblongata*. ARCTIIDAE: *b*, *Estigmene acrea*; *c*, *Hyphantria cunea*; *d*, wooly bear. DIPRIONIDAE: *e*, *Neodiprion abietis*; Miscellaneous: *f*, grape-vine larva.

Charops infesta (Cresson) new combination

Limneria infesta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria sessilis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♀. [key, o.d., Washington, D.C. (U.S.N.M.)] Preoccupied by Provancher, 1875.

Limneria? erythrogaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., Selma, Ala. (U.S.N.M.)]

Limnerium ashmeadii Dalla Torre, Cat. Hymen., 1901, 3: 90. [new name for *Limneria sessilis* Ashmead]

Limnerium erythrogastrum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limnerium infestum Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Angitia autumnalis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 181. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

Anempheres diaphaniae Viereck, Proc. U. S. Nat. Mus., 1911, 40: 188. ♀. [o.d., host *b*, Raleigh, N.C. (U.S.N.M.)]

Amorphota diaphaniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

Casinaria infesta Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

Amorphota infesta Chittenden, Canad. Ent., 1922, 54: 174. [host *d*, Calif.]

Neonortonia autumnalis Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 383. [syn.]

Amorphota infesta Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Amorphota diaphaniae Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Casinaria infesta Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *c*, Va.]

Casinaria infesta Ball, Reeves, Boyden, and Stone, Tech. Bull. U. S. Dept. Agr., 1935, 463: 40. [biol., host *d e*, Fla.]

Casinaria infesta Summerland, Trans. Kans. Acad. Sci., 1938, 40: 164. [host *a*, Kans.]

Casinaria infesta Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Amorphota diaphaniae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

OLETHREUTIDAE: a, *Ancylis comptana*. PYRAUSTIDAE: b, *Diaphania hyalinata*; c, *Hymenia fascialis*; d, *Phlyctaenia rubigalis*. PHALAEINIDAE: e, *Autographa falcifera*.

Charops lamina (Viereck) new combination

Zastenomorpha lamina Viereck, Psyche, 1921, 28: 81. ♀. [o.d., Great Falls, Va. (M.C.Z.)]

Zastenomorpha lamina Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Charops limenitidis (Howard) new combination

Limneria limenitidis Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. ♂. [key, o.d., biol., host f, Coalburgh, W.Va. (U.S.N.M.)]

Amorphota orgyiae Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 20-21, 53. [o.d., biol., fig., host b, D.C. (U.S.N.M.)] New synonymy.

Limnerium limenitidis Dalla Torre, Cat. Hymen. 1901, 3: 98. [syn.]

Casinarina orgyiae Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

Casinarina (Amorphota) orgyiae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des.]

Amorphota orgyiae Felt, Jour. Econ. Ent., 1918, 11: 386. [biol., host a, parasite a, N.Y.]

Neonortonia graciliforma Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 300. ♂. [des., Winnipeg, Man. (C.N.C.)] New synonymy.

Amorphota orgyiae Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

Neonortonia orgyiae Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host b, Man.]

Casinarina orgyiae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Casinarina orgyiae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host b d e, Conn., Mass., N.J., N.Y.]

Casinarina orgyiae Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host c, Canada]

LASIOCAMPIDAE: a, *Malacosoma americanum*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Notolophus antiquus*; d, *Olene basiflava*; ARCTIIDAE: e, *Hyphantria cunea*. NYMPHALIDAE: f, *Basilarchia archippus*.

Parasite: a, *Gelis tenellus*.

Charops texana (Ashmead) new combination

Campoplex texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

Fiebrigia texana Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]

Campoplegidea texana Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [syn.] Synonymy erroneous.

BATHYPLECTES Foerster

Canidia Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 103. Preoccupied by Thomson, 1857.

Genotype: (*Canidia pusilla* Holmgren) = *exiguus* Gravenhorst.

Bathyplectes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Canidia exigua* Gravenhorst.

Canidiella Ashmead, Canad. Ent., 1900, 32: 368. New name for *Canidia* Holmgren.

Bathyplectes bryanti (Viereck)

Campoplex (*Bathyplectes*) *bryanti* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 223. ♀. [des., Bilby, Alta. (C.N.C.)]

Bathyplectes curculionis (Thomson)

Canidia Curculionis Thomson, Opusc. Ent., 1887, 11: 1113. ♀. [o.d., north and middle Europe (?Lund Mus.)]

Canidiella curculionis Webster, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 112: 38. [fig., biol., Italy]

Bathyplectes curculionis Hagan, Monthly Bull. Calif. Dept. Agr., 1919, 8: 470. [biol.]

Bathyplectes curculionis List and Wakeland, Cir. State Ent. Colo., 1919, 27: 34. [biol.]

Bathyplectes curculionis Wakeland, Cir. State Ent. Colo., 1920, 28: 28. [fig., biol.]

Bathyplectes curculionis Newton, Cir. State Ent. Colo., 1921, 34: 43, 44. [Colo.]

Bathyplectes curculionis Newton, Cir. State Ent. Colo., 1923, 38: 25. [Colo.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1923, 131: 36. [host *a*, Ida.]

Bathyplectes curculionis Wakeland, Ida. Farmer, 1923, 32: 39. [des., biol., host *a*, Ida.]

Campoplex (*Bathyplectes*) *curculionis* Viereck, Canad. Ent., 1925, 57: 224. [key]

Bathyplectes curculionis Snow, Bull. Nev. Agr. Exp. Sta., 1925, 108: 7. [host *a*, Nev.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1925, 135: 28. [host *a*, Ida.]

Bathyplectes curculionis Gillette, Ann. Rpt. Colo. Agr. Exp. Sta., 1925, 37: 28. [host *a*, Colo.]

Bathyplectes curculionis Chamberlin, Jour. Econ. Ent., 1926, 19: 302-310, 642. [biol., host *a*, Ut.]

Bathyplectes curculionis Newton, Jour. Econ. Ent., 1926, 19: 374. [biol., Colo.]

Bathyplectes curculionis Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1926, 142: 17. [host *a*, Ida.]

- Bathyplectes curculionis* Reeves, Farmers' Bull. U. S. Dept. Agr., 1927, 1528: 11. [biol., host *a*]
- Bathyplectes curculionis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]
- Bathyplectes curculionis* Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 17. [host *a*, Nev.]
- Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1931, 179: 29. [host *a*, Ida.]
- Bathyplectes curculionis* Michelbacher and Essig, Jour. Econ. Ent., 1933, 27: 965. [Calif.]
- Bathyplectes curculionis* Smith, Ann. Ent. Soc. Amer., 1933, 26: 527-528. [biol.]
- Bathyplectes curculionis* Essig and Michelbacher, Bull. Calif. Agr. Exp. Sta., 1933, 567: 63-67. [fig., biol., host *a*, distribution (various authors quoted, giving distribution as Europe, Tunis, and Turkestan)]
- Bathyplectes curculionis* Sorenson, Bull. Ut. Agr. Exp. Sta., 1934, 250: 48. [biol., host *a*, parasite *g*, Ut.]
- Bathyplectes curculionis* Sorenson, Proc. Ut. Acad. Sci., 1934, 11: 249-251. [parasite *a b c d e f*, Ut.]
- Bathyplectes curculionis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Bathyplectes curculionis* Michelbacher, Jour. Econ. Ent., 1940, 33: 892-895. [biol., host *a*, Calif.]
- Bathyplectes curculionis* Michelbacher, Hilgardia, 1940, 13: 81-99. [fig., biol., host *a*, Calif.]

CURCULIONIDAE: *a*, *Hypera postica*.

Parasites. CHALCIDIDAE: *a*, *Catolaccus aeneoviridis*; *b*, *Dibrachys cavus*; *c*, *Eupelmella vesicularis*; *d*, *Eupteromalus* sp.; *e*, *Habrocytus* spp.; *f*, *Tetrastichus bruchophagi*; *g*, chalcid.

***Bathyplectes exiguus* (Gravenhorst)**

- Campoplex exiguus* Gravenhorst, Ichneum. Europeae, 1829, 3: 499. ♀. [o.d., "circa Norimbergam, Sickershausen et Berolinum lectae" (Europe) (?Breslau Mus.)]
- Limneria sessilis* Provancher, Nat. Canad., 1875, 7: 148, 149. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Limneria sessilis* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 370). [key, des.]
- Limneria sessilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]
- Limnerium sessile* Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]
- Campoplex* (*Bathyplectes*) *etemankiakorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [key, o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

- Bathyplectes exigua* Rockwood, Canad. Ent., 1920, 52: 39. [biol., host *a*, Wash.]
- Bathyplectes exigua* Detwiler, Bull. Cornell Univ. Agr. Exp. Sta., 1923, 420: 19. [biol., host *a*, N.Y.]
- Bathyplectes exigua* Underhill, Quart. Bull. Va. State Crop Pest Comm., 1924, 6, no. 1: 6. [host *a*, Va.]
- Campoplex* (*Bathyplectes*) *phytonomi* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 222. ♂, ♀. [des., host ?*a*, Ottawa, Ont. (C.N.C.), B.C., Que.] New synonymy.
- Campoplex* (*Diadegma*) *sessile* Viereck, Canad. Ent., 1925, 57: 227 [key]; 1926, 58: 281. [syn.]
- Bathyplectes exigua* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *a b*, N.Y.]
- Bathyplectes exigua* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Bathyplectes exigua* Chamberlin, Proc. Ent. Soc. Wash., 1933, 35: 106. [biol., host *c*, Ore.]

CURCULIONIDAE: *a*, *Hypera nigrirostris*; *b*, *Hypera punctata*; *c*, *Hypera rumicis*.

BIOLYSIA Schmiedeknecht

Biolysia Schmiedeknecht, Hymen. Mitteleur., 1907, p. 601.

Genotype: *Nepiesta marginella* Thomson.

Biolysia tristis (Gravenhorst) new combination

Campoplex tristis Gravenhorst, Ichneum. Europeae, 1829, 3: 492. ♂, ♀. [o.d., "in Superga prope Taurinum" and "prope Genuam" (Europe) (? Breslau Mus.)]

Bathyplectes tristis Dicke, Jour. Econ. Ent., 1937, 30: 375-376. [biol., host *a*, Va.]

CURCULIONIDAE: *a*, *Hypera punctata*.

CAMPOLETIS Foerster

Sagaritis Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. Pre-occupied by Billberg, 1820 and by Huebner, 1821.

Genotype: *Campoplex declinator* Gravenhorst.

Campoletis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Mesoleptus tibiator* Cresson. Included by Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, & 18: 89.

Campoletis apicatus (Viereck) new combination

Sagaritis apicatus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 128. ♀. [des., Sudbury, Ont. (C.N.C.)]

Sagaritis apicatus Walley, Canad. Ent., 1927, 59: 230. [key]

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Campoletis aprilis (Viereck) new combination

- Sagaritis aprilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]
Sagaritis aprilis Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]
Sagaritis bigelowi Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♀. [des., Macdiarmid, Lake Nipigon, Ont. (C.N.C.) New synonymy.
Sagaritis citrinus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♀. [des., Oliver, B.C. (C.N.C.), Ont.) New synonymy.
Sagaritis aprilis Viereck, Canad. Ent., 1925, 57: 200. [key]
Sagaritis bigelowi Walley, Canad. Ent., 1927, 59: 227. [key]
Sagaritis citrinus Walley, Canad. Ent., 1927, 59: 230. [key]
Sagaritis aprilis Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis argentifrons (Cresson) new combination

- Mesoleptus dubitatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♀. [o.d., Ill. (A.N.S.P.)] New synonymy.
Mesoleptus argentifrons Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♂. [o.d., Ill. (A.N.S.P.)]
Mesoleptus vicinus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 268. ♀. [o.d., N.J. (A.N.S.P.), Pa.] New synonymy.
Limneria dubitata Provancher, Nat. Canad., 1882, 13: 365; (Faune, p. 787). ♂, ♀. [des., Que.]
Limneria dubitata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]
Limneria vicina Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]
Limneria argentifrons Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]
Limneria dubitata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]
Limneria vicina Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]
Limneria consimilis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.
Limneria argentifrons Riley and Howard, Insect Life, 1890, 3: 158. [host c, Ind.]
Limneria dubitata Riley and Howard, Insect Life, 1890, 3: 158. [host ?n, Ind., Mass., Tex.]
Limneria dubitata Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
Limneria dubitata Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
Rhimphoctona argentifrons Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]
Meloboris dubitata Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.J.]
Limnerium argentifrons Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]
Limnerium consimile Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]
Limnerium provancheri Dalla Torre, Cat. Hymen., 1901, 3: 102. New name for *Mesoleptus dubitatus* Cresson.

- Limnerium vicinum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria argentifrons* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria dubitata* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria vicina* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Limnerium argentifrons* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host c]
- Limnerium provancheri* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host n]
- Sagaritis dubitatus* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]
- Sagaritis provancheri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. [key, Conn.]
- Sagaritis dubitatus* Phillips and King, Farmers' Bull. U. S. Dept. Agr., 1923, 1310: 12. [host k]
- Sagaritis dubitatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host g k m n s, Tex.]
- Sagaritis consimilis* Rockwood, Jour. Econ. Ent., 1925, 18: 720. [host f]
- Olesicampe argentifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Sesioplex heliaeformis* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 298. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis strigosus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis evansi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 74, 129. ♀. [key, des., host v, Prince Edward Co., Ont. (C.N.C.), N.S., Sask.] New synonymy.
- Sagaritis englishi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♀. [des., St. Johns, Newfoundland (C.N.C.)] New synonymy.
- Sagaritis conspicuosus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis inconspicuus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis interruptus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 127, 129. ♂. [key, des., Grimsby, Ont. (C.N.C.)] New synonymy.
- Sagaritis consimilis* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]
- Sagaritis provancheri* Poos, Bull. Va. Truck Exp. Sta., 1926, 56: 495. [host d, Va.]
- Sagaritis interruptus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis strigosus* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis evansi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis englishi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis conspicuosus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis inconspicuus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis consimilis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis consimilis* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host b, N.J.]

- Sagaritis provancheri* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]
- Sagaritis consimilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *f j*, N.Y.]
- Sagaritis provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *e i k l n o p r*, N.Y.]
- Olesicampe argentifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Sagaritis dubitatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *n*, parasite *a b*, Fla., Kans., Miss., S.C., Tenn., Tex.]
- Sagaritis provancheri* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *d*, Va.]
- Sagaritis provancheri* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *p q*]
- Sagaritis consimilis* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *f*]
- Sagaritis dubitatus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 36-38. [biol., host *g k m n s*, Tex.]
- Sagaritis consimilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 73. [host *a*, Ut.]
- Sagaritis dubitatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *h u*, Me., Mass.]
- Sagaritis provancheri* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Sagaritis provancheri* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *a s*, Ut.]
- Sagaritis strigosus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis consimilis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis provancheri* Martin, Ann. Rpt. N.J. Agr. Exp. Sta., 1939, 60: 50. [host *k*, N.J.]
- Sagaritis provancheri* Stuckey, Ann. Rpt. Ga. Exp. Sta., 1940, 52: 61. [host *j*, Ga.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. OLETHREUTIDAE: *b*, *Grapholitha molesta*. CRAMBIDAE: *c*, *Crambus zeellus*. PYRAUSTIDAE: *d*, *Hymenia fascialis*; *e*, *Pyrausta nubilalis*. PHALAENIDAE: *f*, *Agrotis ypsilon*; *g*, *Autographa* sp.; *h*, *Ceramica picta*; *i*, *Dargida procincta*; *j*, *Feltia* sp.; *k*, *Heliothis armigera*; *l*, *Lacinipolia stricta*; *m*, *Laphygma exigua*; *n*, *Laphygma frugiperda*; *o*, *Morrisonia confusa*; *p*, *Neleucania* sp.; *q*, *Peridromia margaritosa*; *r*, *Prodenia ornithogalli*; *s*, *Prodenia* sp.; *t*, cutworms. NYMPHALIDAE: *u*, *Vanessa atalanta*. TENTHREDINIDAE: *v*, *Metallus rubi*.

Parasites. ICHNEUMONIDAE: *a*, "*Hemiteles*" sp. CHALCIDIDAE: *b*, *Catolaccus aeneoviridis*.

Campoletis atkinsoni (Viereck) new combination

Sagaritis atkinsoni Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38, 129. ♂. [key, des., Rosthern, Sask. (C.N.C.)]

Sagaritis teulonensis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [key, des., Saskatoon, Sask. (C.N.C.), Alta., Man.]

New synonymy.

Sagaritis atkinsoni Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis teulonensis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis atkinsoni King and Atkinson, Ann. Ent. Soc. Amer., 1928, 21: 173-174, 185. [biol., host *a*, Sask.]

PHALAENIDAE: *a*, *Euxoa ochrogaster*.

Campoletis atypicus (Viereck) new combination

Sagaritis atypicus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♀. [des., Aylmer, Que. (C.N.C.)]

Sagaritis atypicus Walley, Canad. Ent., 1927, 59: 228. [key]

Sesioplex canadensis Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 8. ♂, ♀. [o.d., Edmondton, Alta. (U.S.N.M.), Ont., Que.] New synonymy.

Campoletis australis (Viereck) new combination

Limnerium australis Viereck, Trans. Amer. Ent. Soc., 1903, 29: 90. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Campoletis banksi (Viereck) new combination

Campoplex banksi Viereck, Psyche, 1921, 28: 72. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

Campoplex banksi Viereck, Canad. Ent., 1925, 57: 225. [key]

Campoletis californicus (Holmgren) new combination

Sagaritis californica Holmgren, Eugenes Resa, 1868, insect. p. 418. ♂. [o.d., Calif. (? Stockholm Mus.)]

Sagaritis californicus var. Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Sagaritis californicus (race) Viereck, Canad. Ent., 1925, 57: 199. [key]

Sagaritis californicus (race) Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis clavatus (Provancher) new combination

Limneria clavata Provancher, Nat. Canad., 1875, 7: 148, 149. ♂ (not ♀). [key, o.d., Que. (M.P.Q.)]

Mesoleptus oxylus Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.] Misdetermined.

Limneria clavata Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, syn., des.]

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- Limneria clavata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♀.
[des., Que.]
- Sagaritis conjunctiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Sagaritis xanthotaenius* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Lancaster, N.Y. (C.N.C.)] New synonymy.
- Sagaritis latus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.
- Sagaritis conjunctiformis* Viereck, Canad. Ent., 1925, 57: 199. [key]
- Sagaritis hexagonalis* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 37. ♂. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis beaulieuvi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38. ♂. [des., near Montreal, Que. (C.N.C.)] New synonymy.
- Sagaritis basalis* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂, ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Sagaritis garretti* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 129. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis xanthotaenius* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis latus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis conjunctiformis* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis beaulieuvi* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis hexagonalis* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis basalis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis garretti* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis nigriscapopus* var. *rufitrochanteralis* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis clavata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoletis clitellarius (Walley) new combination

- Sagaritis clitellarius* Walley, Canad. Ent., 1927, 59: 232. ♂. [o.d., Oliver, B.C. (C.N.C.)]

Campoletis compactus (Provancher) new combination

- Limneria compacta* Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen nudum.
- Limneria compacta* Provancher, Canad. Ent., 1885, 17: 116. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
- Limneria compacta* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
- Limneria compacta* Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, des.]
- Limnerium compactum* Dalla Torre, Cat. Hymen., 1901, 3: 92. [syn.]
- Sagaritis compactus* Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

Sagaritis downsi Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36 (as *S. downesi* (!)). ♂. [des., Gordon Hd., B.C. (C.N.C.)] New synonymy.

Sagaritis compactus Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis downesi (!) Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis conjunctus (Cresson) new combination

Mesoleptus conjunctus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

Limneria conjuncta Nason, Ent. News, 1905, 16: 152. [Ill.]

Sagaritis conjunctus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis conjunctus Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

Sagaritis conjunctus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis diversus (Viereck) new combination

Sagaritis diversus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♀. [des., Waterton, Alta. (C.N.C.)]

Sagaritis diversus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis flavicinctus (Ashmead) new combination

Limneria flavicincta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Lafayette, Ind. (U.S.N.M.)]

Limneria flavicincta Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [Ind.]

Limnerium flavicinctum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria flavicincta Nason, Ent. News, 1905, 16: 152. [Ill.]

Limneria flavicincta Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]

Limnerium (*Campoletis*) *prodeniae* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 190. ♂, ♀. [o.d., host *a*, Mt. Washington, Ohio (U.S.N.M.)] New synonymy.

Sagaritis prodeniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. [syn.]

Sagaritis dubitatus Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]

Sagaritis flavicincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis flavicinctus Viereck, Canad. Ent., 1925, 57: 201. [key]

Sagaritis prodeniae Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis flavicincta Viereck, Canad. Ent., 1926, 58: 130. [syn.]

Sagaritis flavicincta Walley, Canad. Ent., 1927, 59: 231. [key]

Sagaritis prodeniae Walley, Canad. Ent., 1927, 59: 231. [key]

PHALAENIDAE: *a*, *Prodenia ornithogalli*.

Campoletis gorhami (Viereck) new combination

Sagaritis gorhami Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♀. [des., Annapolis, N.S. (C.N.C.)]

Sagaritis gorhami Walley, Canad. Ent., 1927, 59: 229. [key]

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Campoletis heliae (Ashmead) new combination

Limneria heliae Riley and Howard, Insect Life, 1890, 3: 158. [host *a*, Va.]
Nomen nudum.

Limneria heliae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂. [key,
o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Limnerium beliae (!) Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Sesioplex heliae Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 283.
[syn.]

Sagaritis heliae Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 7. [syn.]

Sagaritis heliae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:
105. [Mass.]

PHALAEINIDAE: *a*, *Epizeuxis aemula*.

Campoletis hoppingi (Viereck) new combination

Sagaritis hoppingi Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:
76. ♂. [des., Midday Valley, Merritt, B.C. (C.N.C.)]

Sagaritis hoppingi Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis imperfectus (Viereck) new combination

Sagaritis imperfectus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926,
58: 127, 129. ♀. [key, des., Sask. (C.N.C.), Ont.]

Sagaritis imperfectus Walley, Canad. Ent., 1927, 59: 229, 230. [key]

Campoletis incompletus (Viereck) new combination

Sagaritis incompletus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,
58: 71. ♂. [des., Ottawa, Ont. (C.N.C.)]

Sagaritis incompletus Walley, Canad. Ent., 1927, 59: 228. [key]

Campoletis intermedius (Viereck) new combination

Sagaritis intermedius Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926,
58: 34. ♂. [des., Victoria, B.C. (C.N.C.)]

Sagaritis trakas Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:
126. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

Sagaritis taylori Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58:
126. ♀. [des., Vancouver Is., B.C. (C.N.C.)] New synonymy.

Sagaritis intermedius Walley, Canad. Ent., 1927, 59: 228. [key]

Sagaritis trakas Walley, Canad. Ent., 1927, 59: 229. [key]

Sagaritis taylori Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis kingi (Viereck) new combination

Sagaritis kingi Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77,
129. ♀. [key, des., Saskatoon, Sask. (C.N.C.)]

Sagaritis kingi Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis linearis (Viereck) new combination

Sagaritis linearis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 76. ♂. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis linearis Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis lipomerus (Viereck) new combination

Sagaritis lipomerus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 32. ♂, ♀. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis rufiscapus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♂. [des., Hastings Co., Ont. (C.N.C.)] New synonymy.

Sagaritis lipomerus Walley, Canad. Ent., 1927, 59: 227. [key]

Sagaritis rufiscapus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis maius (Viereck) new combination

Sagaritis maius Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 125, 129. ♂. [key, des., Oliver, B.C. (C.N.C.)]

Sagaritis maius Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis medius (Viereck) new combination

Sagaritis medius Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 34. ♀. [des., Sudbury, Ont. (C.N.C.)]

Sagaritis medius Walley, Canad. Ent., 1927, 59: 227. [key]

Campoletis melanocerus (Viereck) new combination

Sagaritis melanocerus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Grimsby, Ont. (C.N.C.)]

Sagaritis melanocerus Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis melanomerus (Viereck) new combination

Sagaritis melanomerus Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 122. ♂. [des., Alp. Gard., Mt. Washington, N.H. (M.C.Z.)]

Sagaritis melanomerus Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis nigrcoxus (Viereck) new combination

Sagaritis nigrcoxus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 74. ♀. [des., Bilby, Alta. (C.N.C.)]

Sagaritis nigrcoxus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis nigripes (Cresson) new combination

Mesoleptus nigripes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♀. [o.d., Ill. (A.N.S.P.)]

Mesoleptus hostilis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

Limneria hostilis Nason, Ent. News, 1905, 16: 152. [Ill.]

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Campoletis nigriscapus (Viereck) new combination

Sagaritis nigriscapus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂. [des., Saskatoon, Sask. (C.N.C.)]

Sagaritis nigriscapus Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis oxylus (Cresson) new combination

Mesoleptus oxylus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Del. (A.N.S.P.), Ill.]

Limneria oxylus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

Limneria occidentalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key, o.d., central Mo. (U.S.N.M.)] New synonymy.

Limneria oxylus Riley and Howard, Insect Life, 1890, 3: 157. [host *b*, Ala.]

Limneria nephelodis Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.] Nomen nudum.

Limneria oxyius(!) Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Limneria nephelodis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.

[key, o.d., host *e*, St. Louis, Mo. (U.S.N.M.)] New synonymy.

Limnerium nephelodis Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limnerium occidentale Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium oxylus Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Limneria oxylus Nason, Ent. News, 1905, 16: 152. [Ill.]

Limnerium lawrencei Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. ♀.

[o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

Limneria lawrencei Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Sagaritis ruficoxalis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 170. ♂, ♀.

[o.d. Four-mile Run, Va. (U.S.N.M.)] New synonymy.

Sagaritis oxylus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

Sagaritis nigrisignatus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♂, ♀. [des., host *a*, Aweme, Man. (C.N.C.), Ont.] New synonymy.

Sagaritis nephelodis Viereck, Canad. Ent., 1925, 57: 199. [key]; 1926, 58: 129. [syn.]

Sagaritis stramineiscapus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 126. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.

Sagaritis occidentalis Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis oxylus Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis lawrencei Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

Sagaritis ruficoxalis Viereck, Canad. Ent., 1925, 57: 201. [key]

Sagaritis oxylus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Sagaritis ruficoxalis Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

Sagaritis nephelodis Walley, Canad. Ent., 1927, 58: 228. [key]

- Sagaritis nigrisignatus* Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis occidentalis Walley, Canad. Ent., 1927, 59: 230. [key]
Sagaritis stramineiscapus Walley, Canad. Ent., 1927, 59: 230. [key]
Sagaritis oxylus Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis lawrencei Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis ruficoxalis Walley, Canad. Ent., 1927, 59: 231. [key]
Sagaritis oxylus Lowry, Tech. Bull. N.H. Agr. Exp. Sta., 1927, 34: 22. [biol., host g, N.H.]
Sagaritis oxylus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 64. [host d, Tenn.]
Sagaritis oxylus Beckwith and Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1928, 48: 139. [biol., host i, N.J.]
Sagaritis oxylus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host b c d, N.Y.]
Sagaritis oxylus Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host h]
Sagaritis oxylus Beckwith, Jour. N.Y. Ent. Soc., 1929, 37: 415. [biol., host c, N.J.]
Sagaritis oxylus Decker, Ia. State Col. Jour. Sci., 1935, 9: 572. [host f g, Ia.]
 CRAMBIDAE: a, crambid on *Triticum aestivum* and other grasses. PHALAENIDAE: b, *Cirphis unipuncta*; c, *Epiglaea apiata*; d, *Laphygma frugiperda*; e, *Nephelodes violans*; f, *Oligia fractilinea*; g, *Papaipema nebris*. SYRPHIDAE: h, *Syrphus* sp. Miscellaneous: i, blossom worm on *Vaccinium macrocarpon*.

***Campoletis pacificus* (Walley) new combination**

- Sagaritis ruficrus* var. *pacificus* Walley, Canad. Ent., 1927, 59: 233, 234. ♂. [key, o.d., fig., Victoria, B.C. (C.N.C.)]

***Campoletis parasignatus* (Walley) new combination**

- Sagaritis parasignatus* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Indian Head, Sask. (C.N.C.)]

***Campoletis patsuiketorum* (Viereck) new combination**

- Sagaritis patsuiketorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]
Sagaritis unicolor Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♂, ♀. [des., host b, Saskatoon, Sask. (C.N.C.), B.C.] New synonymy.
Sagaritis lipopus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.
Sagaritis cingulatus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♂, ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.
Sagaritis melanosomus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♀. [des., Beacon Lake, Alta. (C.N.C.)] New synonymy.
Sagaritis patsuiketorum Viereck, Canad. Ent., 1925, 57: 199. [key]

- Sagaritis cingulatus* Walley, Canad. Ent., 1927, 59: 227. [key]
Sagaritis lipopus Walley, Canad. Ent., 1927, 59: 227. [key]
Sagaritis unicolor Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis patsuiketorum Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis melanosomus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis patsuiketorum Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.
 [Me.]
Sagaritis patsuiketorum Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191.
 [host a, N.J.]
 OLETHREUTIDAE: a, *Grapholitha molesta*. PYRAUSTIDAE: b, *Loxostege sticticalis*.

Campoletis perdistinctus (Viereck) new combination

- Limnerium perdistinctus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 304. ♀.
 [o.d., Douglas Co., Kans. (Univ. Kans.)]
Amorphota nocturna Viereck, Trans. Kans. Acad. Sci., 1905, 19: 308. ♂. [o.d.,
 Lawrence, Kans. (Univ. Kans.)] New synonymy.
Limnerium perdistincta Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. [des.,
 Kans.]
Limneria perdistincta Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.,
 Kans.]
Sagaritis trochanteralis Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,
 58: 75. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
Sagaritis twinni Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:
 72. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), B.C.] New synonymy.
Sagaritis nocturnus Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129.
 [syn.]
Sagaritis perdistinctus Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58:
 129. [syn.]
Sagaritis modestus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926,
 58: 126. ♂. [des., Grimsby, Ont. (C.N.C.)] New synonymy.
Amorphota nocturna Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183.
 [key]
Sagaritis trochanteralis Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis twinni Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis nocturnus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis perdistinctus Walley, Canad. Ent., 1927, 59: 229. [key]
Sagaritis modestus Walley, Canad. Ent., 1927, 59: 231. [key]

Campoletis plenus (Provancher) new combination

- Limneria plena* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d.,
 Que. (M.P.Q.)]
Limneria plena Provancher, Nat. Canad., 1879, 11: 175; (Faune, p. 367).
 [key, des., fig.]
Limneria plena Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

Limnerium plenum Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

Limneria plena Nason, Ent. News, 1905, 16: 152. [Ill.]

Sagaritis chrystali Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Cowly, Alta. (C.N.C.)] New synonymy.

Sagaritis chrystali Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis rufosignatus (Viereck) new combination

Sagaritis rufosignatus Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 34. ♂. [des., Jordan, Ont. (C.N.C.)]

Sagaritis rufosignatus Walley, Canad. Ent., 1927, 59: 227. [key]

Campoletis septentrionalis (Viereck) new combination

Sagaritis septentrionalis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 76. ♀. [des., Nordegg, Alta. (C.N.C.)]

Sagaritis aequalis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 122. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Sagaritis laevis Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [des., Oliver, B.C. (C.N.C.), Alta.] New synonymy.

Sagaritis ruficrus Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 127. ♂. [des., Waterton, Alta. (C.N.C.)] New synonymy.

Sagaritis septentrionalis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis aequalis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis laevis Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis ruficrus Walley, Canad. Ent., 1927, 59: 231. [key]

Sagaritis approximalis Walley, Canad. Ent., 1927, 59: 231. ♂. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.

Sagaritis vierecki Walley, Canad. Ent., 1927, 59: 233. ♂, ♀. [key, o.d., fig., Oliver, B.C. (C.N.C.)] New synonymy.

Campoletis signatus (Viereck) new combination

Sagaritis signatus Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 72. ♀. [des., Oliver, B.C. (C.N.C.)]

Sagaritis signatus Walley, Canad. Ent., 1927, 59: 229. [key]

Campoletis striatipes (Ashmead) new combination

Limneria striatipes Ashmead, Psyche, 1901, 9: 148. ♂, ♀. [o.d., Las Vegas Range between Pecos and Sapello Rivers, 11000 Ft., N.M. (U.S.N.M.)]

Sagaritis striatipes Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129. [syn.]

Sagaritis striatipes Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis taeniolatus (Viereck) new combination

Limnerium taeniolata Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

Campoletis tibialis (Viereck) new combination

- Sagaritis tibialis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]
Sagaritis tibialis Walley, Canad. Ent., 1927, 59: 230. [key]

Campoletis tibiator (Cresson)

- Mesoleptus tibiator* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♂. [o.d., N.J. (A.N.S.P.), Ill.]
Mesoleptus tibiator Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.]
Limneria distincta Provancher, Nat. Canad., 1882, 3: 365; (Faune, p. 787). ♀. [o.d., Que. (M.P.Q.)] New synonymy.
Limneria distincta Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]
Limneria tibiator Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]
Limneria tibiator Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
Limneria tibiator Riley and Howard, Insect Life, 1890, 3: 157. [host a b c, Calif., D.C., Fla., Ia., Mo., Tex., Va.]
Limneria tibiator Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
Limneria tibiator Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42. [Ohio]
Limnerium tibiator Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]
Limnerium distinctum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]
Limneria tibiator Nason, Ent. News, 1905, 16: 168. [Ill.]
Ischnoscopus taeniatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 305. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.
Campoletis tibiator Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, 18: 89. [host a, Del.]
Limneria tibiator Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]
Limnerium tibiator Chittenden and Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 109: 31. [biol.]
Sagaritis taeniatus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]
Sagaritis taeniatus Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]
Sagaritis apicalis Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♂. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
Angitia tibiator Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Sagaritis taeniatus Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis apicalis Walley, Canad. Ent., 1927, 59: 228. [key]
Sagaritis tibiator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

YPONOMEUTIDAE: a, *Plutella maculipennis*. Phycitidae: b, *Mineola indigenella*.
 PHALAEINIDAE: c, *Autographa brassicae*.

Campoletis websteri (Viereck) new combination

Limnerium (*Angitia*) *websteri* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382.

♀. [o.d., fig., host *b*, Pullman, Wash. (U.S.N.M.)]

Sagaritis websteri Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Sagaritis websteri Hyslop, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 95: 115.

[fig., biol., host *b*, Wash.]

Sagaritis websteri Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Sagaritis websteri Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129.

[key, syn.]

Sagaritis julius Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

125. ♂. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)] New synonymy.

Sagaritis websteri Walley, Canad. Ent., 1927, 59: 230. [key]

Sagaritis julius Walley, Canad. Ent., 1927, 59: 230. [key]

GLYPHPTERYGIDAE: *a*, *Choreutis balsamorhizella*. PHALAENIDAE: *b*, *Autographa californica*.

Campoletis yakutatensis (Ashmead) new combination

Ischnoscopus yakutatensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♂,

♀. [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

Limnerium yakutatense Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♂, ♀.

[o.d., Yakutat, Alaska (U.S.N.M.)]

Sagaritis yakutatensis Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58:

130. [syn.]

Sagaritis yakutatensis Walley, Canad. Ent., 1927, 59: 231. [key]

ECPHOROPSIS Ashmead

Ecphora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Conrad, 1843.

Genotype: *Campoplex viennensis* Gravenhorst

Ecphoropsis Ashmead, Canad. Ent., 1900, 32: 368. New name for *Ecphora*

Foerster.

Ecphoropsis longiceps Roman

Ecphoropsis longiceps Roman, Mém. Pétersbourg Acad., 1914 (or 1926?), 29, no.

7:13. ♂. [o.d., fig., West-Taimyr, Walter-Bal, North-Siberia (Leningrad Mus.)]

Ecphoropsis longiceps Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11.

♀. [des., Greenland]

SPUDASTICA * Foerster

Spudastica Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: (*Spudastica petiolaris* Thomson) = *kriechbaumeri* Bridgman.

* There is an undescribed Nearctic species of this genus in the U. S. National Museum.

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CAMPOPLEGIDEA Viereck

Campoplex of authors, not of the genotype.

Anisitsia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. Preoccupied by Eigenmann, 1903.

Genotype: *Campoplex villosus* Norton.

Campoplegidea Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Campoplex oxyacanthae* Boie.

Pseudocasinaria Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

Genotype: *Casinaria americana* Ashmead.

Viereckiana Strand, Arch. Naturg., 1914, 80 A: 163. New name for *Anisitsia* Viereck.

Idiosomidea Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271.

Genotype: (*Campoplex photomorphus* Viereck) = *bellulus* Dalla Torre.

Campoplegidea alia (Norton)

Campoplex alius Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Mass. (type lost)]

Campoplex alius Provancher, Nat. Canad., 1876, 8: 317. [Que.]

Campoplex alius Provancher, Nat. Canad., 1879, 11: 150; (Faune p. 364). [key, des.]

Campoplex alius Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex alius Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplegidea alia Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Campoplegidea alia Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

Campoplegidea americana (Ashmead)

Casinaria americana Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

Pseudocasinaria americana Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

Campoplegidea (*Viereckiana*) *erythromera* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Pseudocasinaria americana Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea americana Walley, Sci. Agr., 1940, 20: 701. ♂, ♀. [key, syn., des., Ala., B.C., Colo., D.C., Md., Mass., Mich., N.J., N.Y., Ohio, Ont., Pa., Tex., Va.]

Campoplegidea argentea (Norton)

Campoplex argenteus Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn., N.Y. (Yale Univ.)]

Campoplex argenteus Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

Campoplex argenteus Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.
♀. [des., Ont.]

Campoplex argenteus Nason, Ent. News, 1905, 16: 152. [Ill.]

Casinaria argentea Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273.
♀. [des.]

Campoplegidea citriscapa Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Okanagan, B.C. (C.N.C.)]

Campoplegidea argentea Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Campoplegidea argentea Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Campoplegidea argentea Walley, Sci. Agr., 1940, 20: 664, 674. ♂, ♀. [key, syn., des., fig., B.C., Ill., Mass., Mich., N.J., N.Y., Ont., Pa., Que., Va.]

***Campoplegidea arizonensis* Walley**

Campoplegidea arizonensis Walley, Sci. Agr., 1940, 20: 664, 709. ♂, ♀. [key, o.d., fig., Sabino Canyon, Ariz. (U.S.N.M.)]

***Campoplegidea assita* (Norton)**

Campoplex assitus Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

Campoplex assitus Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Calif., Vt.]

Casinaria assita Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272.
♀. [des.]

Campoplegidea (Viereckiana) curvata Viereck, Trans. Roy. Soc. Canada., 1926, 20, sect. 5: 179. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) citripes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Lanoraie, Que. (C.N.C.)]

Viereckiana assita Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.
[Me.]

Campoplegidea assita Walley, Sci. Agr., 1940, 20: 666, 679. ♂, ♀. [key, syn., des., fig., Conn., Mich., N.J., N.S., Ont., Que.]

PHALAEINIDAE: *a*, ?phalaenid.

***Campoplegidea associata* Walley**

Campoplegidea associata Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Texarkana, Ark. (U.S.N.M.), La.]

***Campoplegidea australis* Walley**

Campoplegidea australis Walley, Sci. Agr., 1940, 20: 715. ♂, ♀. [key, o.d., Blacksburg, S.C. (U.S.N.M.), Ont.]

***Campoplegidea bellulus* (Dalla Torre)**

Campoplex bellus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀ (not ♂).
[o.d., Bosque Co., Tex. (A.N.S.P.)] Preoccupied by Cresson, 1865.

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- Campoplex bellulus* Dalla Torre, Cat. Hymen., 1901, 3: 138. New name for *Campoplex bellus* Cresson, 1872.
- Campoplex photomorphus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]
- Anisitsia bellulus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]
- Idiosomidea photomorpha* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. [syn.]
- Idiosomidea secunda* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. ♂. [o.d., Bilby, Alta. (C.N.C.)]
- Campoplegidea* (*Viereckiana*) *photomorpha* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]
- Viereckiana bellulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana bellulus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Campoplegidea bellula* Walley, Sci. Agr., 1940, 20: 666, 668, 711. ♂, ♀. [key, syn., des., fig., Alta., Colo., Ia., Kans., N.B., N.S., Ont., Que., S.D., Tex.]

***Campoplegidea brachiator* (Say)**

- Ophion brachiator* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed. 2: 695). [o.d., Ind. (M.C.Z.)]
- Campoplex xanthogaster* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 159. ♀. [o.d., N. Amer. (Paris Mus.)]
- Campoplex xanthogaster* Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [des.]
- Ophion brachiator* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 159. [syn., des.]
- Viereckiana brachiator* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]
- Viereckiana brachiator* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Viereckiana brachiator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana brachiator* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Campoplegidea brachiator* Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, des., Ala., Ga., Mass., Que., Va.]

***Campoplegidea canadensis* Walley**

- Campoplegidea canadensis* Walley, Sci. Agr., 1940, 20: 664, 665, 668. ♂, ♀. [key, o.d., fig., Macdiarmid, Lake Nipigon, Ont. (C.N.C.), Alta., B.C.]

***Campoplegidea ceanothi* (Viereck) new combination**

- Casinaria* (*Pseudocasinaria*) *ceanothi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. ♂. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]
- Pseudocasinaria ceanothi* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea confluens Walley

Campoplegidea confluens Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Knowlton, Que. (C.N.C.), Ont., Wis.]

Campoplegidea conformis Walley

Campoplegidea conformis Walley, Sci. Agr., 1940, 20: 726. ♀. [key, o.d., Palmerlee, Ariz. (M.C.Z.)]

Campoplegidea crassicornis (Provancher)

Limneria crassicornis Provancher, Addit. Faune Canada, Hymén., 1886, p. 88.

♂. [key, o.d., Cap Rouge, Que. (C.N.C.)]

Campoplex crassicornis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Limnerium crassicorne Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Campoplegidea crassata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267.

♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea (Viereckiana) crassicornis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Campoplegidea (Viereckiana) mimeticus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♂, ♀. [key, o.d., near Ottawa, Ont. (C.N.C.), Que.]

Campoplegidea (Viereckiana) sessilis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea (Viereckiana) flavicoxa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea crassata Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Campoplegidea crassicornis Walley, Sci. Agr., 1940, 20: 691. ♂, ♀. [key, syn., des., Alta., N.B., N.Y., Ohio, Ont., Que., Wis.]

Campoplegidea deceptor Walley

Campoplegidea deceptor Walley, Sci. Agr., 1940, 20: 714. ♂, ♀. [key, o.d., Inglenook, Dauphin Co., Pa. (U.S.N.M.), D.C., Ind., N.Y., Ont., Sask., Va.]

Campoplegidea diversa (Norton)

Campoplex diversus Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♂, ♀. [o.d., Conn., Mass. (Yale Univ.)]

Campoplex diversus Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

Campoplex diversus Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 363). [key, des., fig.]

Campoplex diversus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex diversus Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass., N.H.]

Campoplex diversus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]

Casinaria diversa Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des.]

Campoplegidea diversa Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]
Campoplegidea (Viereckiana) diversa Viereck, Canad. Ent., 1926, 58: 279.
 [syn.]

Campoplegidea (Viereckiana) diversa Viereck, Trans. Roy. Soc. Canada, 1926,
 20, sect. 5: 173. [key]

Campoplegidea diversa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
 955. [N.Y.]

Campoplegidea diversus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
 1934, 188: 148. [biol., host *b*, Mass., N.J.]

Campoplegidea diversa Walley, Sci. Agr., 1940, 20: 664, 666, 668, 669. ♂, ♀.
 [key, syn., des., fig., Alta., B.C., Man., N.B., N.J., Ont., Que., Sask.]
 In part.

GEOMETRIDAE: *a*, *Lygris diversilineata*. PHALAENIDAE: *b*, *Graptolitha* sp.

***Campoplegidea diversella* Walley**

Campoplegidea diversella Walley, Sci. Agr., 1940, 20: 671. ♂, ♀. [key, o.d.,
 Tex. (U.S.N.M.), ?N.Y., Que.]

***Campoplegidea diversicolor* Viereck**

Campoplegidea diversicolor Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:
 265. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea diversicolor Walley, Sci. Agr., 1940, 20: 664, 666, 694. ♀. [key,
 des., fig., Ont., Que.]

***Campoplegidea downesi* Viereck**

Campoplegidea downesi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 265.
 ♂, ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

Campoplegidea planatella Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:
 267. ♂. [key, o.d., Waterton, Alta. (C.N.C.)] New synonymy.

Campoplegidea vadosa Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269.
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea downesi Walley, Sci. Agr., 1940, 20: 672. ♂, ♀. [key, syn.,
 des., Alta., B.C., Calif., Ont.]

Campoplegidea planatella Walley, Sci. Agr., 1940, 20: 673. ♂. [key, des.]

***Campoplegidea egregia* (Viereck)**

Viereckiana egregia Viereck, Proc. Biol. Soc. Wash., 1916, 29: 167. ♂, ♀.
 [o.d., Great Falls, Va. (M.C.Z.), Md., N.C.]

Campoplegidea egregia Walley, Sci. Agr., 1940, 20: 719. ♂, ♀. [key, des.,
 D.C., Md., Ohio, Pa., Tex., Va.]

***Campoplegidea ellopiae* Walley**

Campoplegidea (Viereckiana) ellopiae Walley, Canad. Ent., 1929, 61: 22. ♂,
 ♀. [o.d., host *a*, Footes Bay, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) ellopiae Schedl, Ztschr. Angew. Ent., 1931, 18: 258-260. [fig., biol., host *a*, parasite *a*]

Campoplegidea ellopiae Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *a*, Ont.]

Campoplegidea ellopiae Walley, Sci. Agr., 1940, 20: 666, 730. [key, des., fig.]

Campoplegidea ellopiae Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 12. [host *a*, Canada]

Campoplegidea ellopiae Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*.

Parasite. ICHNEUMONIDAE: *a*, *Itopectis conquisitor*.

Campoplegidea experta (Cresson)

Campoplex expertus Cresson, Trans. Amer. Ent. Soc., 1872, 6: 171. ♀ (not ♂). [o.d., Bosque Co., Tex. (A.N.S.P.)]

Campoplex expertus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. [Kans.]

Campoplex expertus Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex expertus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. [Tex.]

Campoplex expertus Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Campoplegidea experta Walley, Sci. Agr., 1940, 20: 704. ♂, ♀. [key, des., Ind., Ia., Kans., Okla., Tex., Va.]

Campoplegidea experta Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoplegidea flavescens Walley

Campoplegidea flavescens Walley, Sci. Agr., 1940, 20: 710. ♀. [key, o.d., Ariz. (U.S.N.M.)]

Campoplegidea fossata (Viereck)

Campoctonus fossatus Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [o.d., Aweme, Man. (C.N.C.)]

Campoplegidea fossata Walley, Sci. Agr., 1940, 20: 699. ♂, ♀. [key, des., Alta., Man., Ont., Que.]

Campoplegidea fuscitarsis Viereck

Campoplegidea (Viereckiana) fuscitarse Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea fuscitarsis Walley, Sci. Agr., 1940, 20: 666, 729. ♂, ♀. [key, des., fig., Mass., N.Y., Ont., Que., Vt.]

Campoplegidea glauca glauca (Norton)

Campoplex glaucus Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

Campoplex dissitus Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., "Lake Saskatchewan," probably near where Saskatchewan River flows into Lake Winnipeg (Harvard Univ.)] New synonymy.

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- Campoplex glaucus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
Casinaria glauca Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272.
 ♀. [des.]
Campoplegidea rossi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268.
 ♂. [key, o.d., Jordan, Ont. (C.N.C.)]
Campoplegidea rossi Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 186.
 [correction to type number]
Viereckiana dissata(!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416.
 [Me.]
Campoplegidea glauca Walley, Sci. Agr., 1940, 20: 692. ♂, ♀. [key, syn.,
 des., Kans., Me., Md., N.H., Ont., Que.]
Campoplegidea dissita Walley, Sci. Agr., 1940, 20: 734. ♀. [des.]

***Campoplegidea glauca caliginosa* Walley, new combination**

- Campoplegidea caliginosa* Walley, Sci. Agr., 1940, 20: 693. ♀. [key, o.d.,
 Steelhead, B.C. (C.N.C.), Alta., Ore.]

***Campoplegidea gracilis* Walley**

- Campoplegidea gracilis* Walley, Sci. Agr., 1940, 20: 701. ♀. [key, o.d., N.
 Bloomfield, Pa. (U.S.N.M.), Man., N.Y., Ohio, Ont.]

***Campoplegidea grahami* Walley**

- Campoplegidea grahami* Walley, Sci. Agr., 1940, 20: 698. ♀. [key, o.d.,
 Aspen Grove, B.C. (C.N.C.), Colo.]

***Campoplegidea insolita* Walley**

- Campoplegidea insolita* Walley, Sci. Agr., 1940, 20: 681. ♀. [key, o.d.,
 Lacolle, Que. (C.N.C.), Man., Ont.]

***Campoplegidea interstitialis* Walley**

- Campoplegidea interstitialis* Walley, Sci. Agr., 1940, 20: 664, 703. ♀. [key,
 o.d., fig., St. Agathe des Monts, Que. (C.N.C.)]

***Campoplegidea johnsoni* Walley**

- Campoplegidea johnsoni* Walley, Sci. Agr., 1940, 20: 729. ♀. [key, o.d.,
 Nantucket, Mass. (U.S.N.M.), N.J.]

***Campoplegidea laminata* Walley**

- Campoplegidea laminata* Walley, Sci. Agr., 1940, 20: 680. ♂, ♀. [key, o.d.,
 Hull, Que. (C.N.C.), Conn., Mass., Mich., N.H., N.Y., Ont., Pa.,
 Tex.]

Campoplegidea lapponica kukakensis (Ashmead) new combination

(*Campoplex lapponica* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2: 37. ♂, ♀. [o.d., Lappland, Sweden (? Stockholm Mus.)])

Zachresta kukakensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

Anisitsia kukakensis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Campoplegidea (Viereckiana) kukakensis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea kukakensis Walley, Sci. Agr., 1940, 20: 662. ♂. [key, des.]

Campoplegidea caudata Walley, Sci. Agr., 1940, 20: 668, 686. ♂, ♀. [key, o.d., fig., host *a*, St. Agathe des Monts, Que. (C.N.C.), Alaska, Alta., N.H., Ont.] New synonymy.

GEOMETRIDAE: *a*, *Eulype hastata gothicata*.

Campoplegidea laticincta (Cresson)

Campoplex laticinctus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 283. ♀. [o.d., Colo. (A.N.S.P.)]

Campoplex nigripes Provancher, Nat. Canad., 1874, 6: 145. ♀. [key, o.d., Que. (type lost)]

Campoplex laticinctus Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). [key, syn., des., fig.]

Campoplex laticinctus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex laticinctus Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

Campoplex laticinctus Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. [Alaska, Canada, Colo., Kans., Me., N.H., N.Y.]

Campoplex laticinctus Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Campoplegidea brooksi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Transcona, Man. (C.N.C.), Alta.]

Campoplegidea laticincta Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont., Que., Sask.]

Campoplegidea (Viereckiana) laticincta Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Viereckiana laticincta Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

Campoplegidea laticincta Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Campoplegidea laticincta Walley, Sci. Agr., 1940, 20: 664, 684. ♂, ♀. [key, syn., des., fig., host *a*, Alta., Calif., Colo., Man., Minn., Mont., N.J., N.Y., Ohio, Ont., Ore., Pa., Que., Sask., Vt.]

PHALAENIDAE: *a*, *Heliothis* sp.

Campoplegidea lobata Walley

Campoplegidea lobata Walley, Sci. Agr., 1940, 20: 668, 713. ♂, ♀. [key, o.d., fig., host *a*, Brome, Que. (C.N.C.) ? B.C., Man., Ont., Va.]

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Campoplegidea lobata Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10.
[host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*.

***Campoplegidea luctuosa* (Provancher)**

Campoplex luctuosus Provancher, Nat. Canad., 1875, 7: 145. ♀. [o.d., Que. (M.P.Q.)]

Campoplex luctuosus Provancher, Nat. Canad., 1879, 11: 147; (Faune, p. 362).
[key, des.]

Anisitsia nigerrima Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., Priest Lake, Ida. (U.S.N.M.)] New synonymy.

Campoplegidea (Viereckiana) luctuosa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea (Viereckiana) nigerrima Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Campoplegidea nigerrima Walley, Sci. Agr., 1940, 20: 666, 721. ♀. [key, des., fig., B.C., Calif., Ida.]

Campoplegidea luctuosa Walley, Sci. Agr., 1940, 20: 722. ♀. [key, des.]

Campoplegidea luctuosa Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9.
[host a, Canada]

GEOMETRIDAE: a, *Hydriomena divisaria*.

***Campoplegidea magnifica* Walley**

Campoplegidea magnifica Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, o.d., Onteora Mt., Greene Co., N.Y. (U.S.N.M.), Ala.]

***Campoplegidea major* (Cresson)**

Campoplex major Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀.
[o.d., Vancouver Is., B.C. (A.N.S.P.)]

Campoplegidea (Viereckiana) totalis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. ♀. [key, o.d., Aylmer, Que. (C.N.C.)]

Campoplegidea major Walley, Sci. Agr., 1940, 20: 668, 726. ♂, ♀. [key, syn., des., fig., B.C., Mass., N.M., Que.]

***Campoplegidea minor* (Provancher)**

Campoplex minor Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 364). ♀.
[key, o.d., Que. (M.P.Q.)]

Campoplegidea minor Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262.
[key]

Campoplegidea (Viereckiana) minor Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Pseudocasinaria decorata Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Amorphota pacifica Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184.

♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplegidea minor Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Campoplegidea minor Walley, Sci. Agr., 1940, 20: 666, 688. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., Ont., Que., Va.]

Campoplegidea pacifica Walley, Sci. Agr., 1940, 20: 689. ♂, ♀. [key, des., Alaska, B.C., Colo., Mont.]

Campoplegidea mitis Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., Wright, Que. (C.N.C.), Pa.] New synonymy.

Campoplegidea maritima Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., White Pt. Beach, Queens Co., N.S. (C.N.C.), Que.] New synonymy.

***Campoplegidea montrealensis* Viereck**

Campoplegidea (Viereckiana) montrealensis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

Campoplegidea montrealensis Walley, Sci. Agr., 1940, 20: 666, 678. ♂, ♀. [key, syn., des., fig., Conn., Me., Man., N.H., N.S., N.Y., Ont., Que., Vt.]

Campoplegidea montrealensis Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Campoplegidea nigr tibialis* Viereck**

Campoplegidea (Viereckiana) nigr tibialis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 178. ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

Campoplegidea nigr tibialis Walley, Sci. Agr., 1940, 20: 679. ♀. [key, des., B.C., Calif., Wash.]

***Campoplegidea nitida* Walley**

Campoplegidea nitida Walley, Sci. Agr., 1940, 20: 713. ♂, ♀. [key, o.d., Meadow Valley (4000–5000 ft.), Plumas Co., Calif. (U.S.N.M.)]

***Campoplegidea obesa* (Davis) new combination**

Zachrasta (!) *obesa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]

***Campoplegidea ocellata* Walley**

Campoplegidea ocellata Walley, Sci. Agr., 1940, 20: 718. ♀. [key, o.d., Victoria, Tex. (U.S.N.M.)]

***Campoplegidea occidentalis* (Davis)**

Campoplex occidentalis Davis, Trans. Amer. Ent. Soc., 1898, 14: 361. ♂, ♀. [o.d., Seattle, Wash. (A.N.S.P.)]

Campoplegidea occidentalis Walley, Sci. Agr., 1940, 20: 698. ♀. [key, des., B.C.]

Campoplegidea pallescens Walley

Campoplegidea pallescens Walley, Sci. Agr., 1940, 20: 722. ♀. [key, o.d., Ga. (U.S.N.M.)]

Campoplegidea pectoralis Walley

Campoplegidea pectoralis Walley, Sci. Agr., 1940, 20: 668, 686. ♀. [key, o.d., fig., Lac Mercier, Que. (C.N.C.), Alta., Ont., Sask.]

Campoplegidea pilosa Walley

Campoplegidea pilosa Walley, Sci. Agr., 1940, 20: 733. ♂, ♀. [key, o.d., Cultus Lake, B.C. (C.N.C.), Calif., Colo., Ore.]

Campoplegidea planata Viereck

Campoplegidea planata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea planata Walley, Sci. Agr., 1940, 20: 675. ♂, ♀. [key, Ill., Md., N.Y., Ont., Que.]

Campoplegidea pulchella Walley

Campoplegidea pulchella Walley, Sci. Agr., 1940, 20: 717. ♂, ♀. [key, o.d., Argus Mts., Calif. (U.S.N.M.), Ariz., Ut.]

Campoplegidea quebecensis Walley

Campoplegidea quebecensis Walley, Sci. Agr., 1940, 20: 666, 731. ♀. [key, o.d., fig., host a, Knowlton, Que. (C.N.C.), Mass.]

PHALAENIDAE: a, *Bapta semiclarata*.

Campoplegidea relecta (Davis) new combination

Campoplex relectum Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Franconia, N.H. (A.N.S.P.)]

Campoplegidea egregiata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♀. [key, o.d., Sidney, B.C. (C.N.C.)] New synonymy.

Campoplegidea egregiata Walley, Sci. Agr., 1940, 20: 677. ♀. [key]

Campoplegidea vicina Walley, Sci. Agr., 1940, 60: 695. [syn. (in part)]

Campoplegidea robusta Walley

Campoplegidea robusta Walley, Sci. Agr., 1940, 20: 725. ♂, ♀. [key, o.d., Hocking Co., Ohio (U.S.N.M.), N.J., Pa.]

Campoplegidea rotunda Walley

Campoplegidea rotunda Walley, Sci. Agr., 1940, 20: 697. ♀. [key, o.d., Baddeck, N.S. (C.N.C.)]

Campoplegidea rufescens Walley

Campoplegidea rufescens Walley, Sci. Agr., 1940, 20: 668, 720. ♂, ♀. [key, o.d., fig., Cabin John, Md. (U.S.N.M.), D.C., Ia., Kans., N.J., Pa., Va., W.Va.]

Campoplegidea rufigaster Walley

Campoplegidea rufigaster Walley, Sci. Agr., 1940, 20: 705. ♀. [key, o.d., Hampton, N.H. (U.S.N.M.), Md., Pa.]

Campoplegidea scalaria (Provancher)

Campoplex scalaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♀, (♂ misdetermined). [o.d., Cap Rouge, Que. (M.P.Q.)]

Campoplex scalaris Nason, Ent. News, 1905, 16: 152. [Ill.]

Pseudocasinaria scalaris Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea scalaris (!) Walley, Sci. Agr., 1940, 20: 707. ♂, ♀. [key, des., Alta., Que.]

Campoplegidea seamansi Viereck

Campoplegidea edmontensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♂. [key, o.d., Edmonton, Alta. (C.N.C.)]

Campoplegidea seamansi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268. ♀. [key, o.d., Waterton, Alta. (C.N.C.)]

Amorphota bicoloripes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184. ♀. [key, o.d., host *a*, Aweme, Man. (C.N.C.)] New synonymy.

Campoplegidea seamansi Walley, Sci. Agr., 1940, 20: 666, 696. ♂, ♀. [key, syn., des., fig., Alta., B.C., Colo.]

Campoplegidea bicoloripes Walley, Sci. Agr., 1940, 20: 697. ♀. [key, des.]

TORTRICIDAE: *a*, *Archips conflictana*.

Campoplegidea semirufa (Provancher)

Campoplex semirufus Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786). ♀. [o.d., Chicoutimi, Que. (C.N.C.)]

Campoplex semirufus Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♂. [des., Ont.]

Campoplex semirufus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Campoplegidea okanaganensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♀. [key, o.d., Okanagan, B.C. (C.N.C.), Man.]

Campoplegidea (*Viereckiana*) *semirufa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

Campoplegidea semirufa Walley, Sci. Agr., 1940, 20: 664, 675. ♀. [key, syn., des., fig., host *a*, B.C., Colo., N.Y., Que., Vt.]

NOTODONTIDAE: *a*, *Pheosia rimosa*.

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Campoplegidea signata Viereck

Campoplegidea signata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. ♂, ♀. [key, o.d., Sudbury, Ont. (C.N.C.), Man.]

Campoplegidea signata Walley, Sci. Agr., 1940, 20: 667. ♂, ♀. [key, des., host a, B.C.?, Man., N.B., Que., Ont., Sask.]

Campoplegidea signata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

PHALAENIDAE: a, phalaenid.

Campoplegidea simulans Walley

Campoplegidea simulans Walley, Sci. Agr., 1940, 20: 708. ♀. [key, o.d., Rutherford, N.J. (U.S.N.M.)]

Campoplegidea stricklandi Viereck

Campoplegidea stricklandi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269. ♂. [key, o.d., Waterton, Alta. (C.N.C.)]

Campoplegidea stricklandi Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

Campoplegidea subtilis Viereck

Campoplegidea (Viereckiana) subtilis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 176. ♀. [key, o.d., Banff, Alta. (C.N.C.)]

Campoplegidea subtilis Walley, Sci. Agr., 1940, 20: 690. ♀. [key, des.]

Campoplegidea texana (Ashmead) new combination

Casinaria texana Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

Campoplegidea texana Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [key, syn., des., Guatemala, Kans., Tex. (synonymy erroneous)]

Campoplegidea townsendi Walley

Campoplegidea townsendi Walley, Sci. Agr., 1940, 20: 703. ♂, ♀. [key, o.d., South Fork, Eagle Cr., White Mts., N.M. (U.S.N.M.)]

Campoplegidea tumida Walley

Campoplegidea tumida Walley, Sci. Agr., 1940, 20: 664, 666, 716. ♀. [key, o.d., fig., Corvallis, Ore. (U.S.N.M.)]

Campoplegidea turmalis Walley

Campoplegidea turmalis Walley, Sci. Agr., 1940, 20: 711. ♀. [key, o.d., Devils River, Tex. (U.S.N.M.)]

Campoplegidea vara Walley

Campoplegidea vara Walley, Sci. Agr., 1940, 20: 663, 664, 668. ♂, ♀. [key, o.d., fig., Baddeck, N.S. (C.N.C.), Conn., N.J., Ont., Pa., Que.]

Campoplegidea variabilis (Franklin)

Campoplex variabilis Franklin, Ent. News, 1915, 26: 356. ♀. [o.d., biol., host a, Wareham, Mass. (Mass. State College)]

Campoplegidea variabilis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

Campoplegidea variabilis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Campoplegidea variabilis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host b, Me.]

Campoplegidea variabilis Walley, Sci. Agr., 1940, 20: 681. ♂, ♀. [key, des., N.S., Que.]

GEOMETRIDAE: a, *Ematurga amitaria*; b, *Synchlora rubrifrontaria*.

Campoplegidea varicoxa Viereck

Campoplegidea (*Viereckiana*) *varicoxa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea (*Viereckiana*) *reticulata* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Royal Oak, B.C. (C.N.C.)]

Pseudocasinarina paenealia Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

Campoplegidea varicoxa Walley, Sci. Agr., 1940, 20: 666, 683. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., N.H., Ont., Pa., Que.]

Campoplegidea vibecifera Viereck

Campoplegidea vibecifera Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

Campoplegidea vibecifera Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

Campoplegidea vicina (Provancher)

Campoplex vicinus Provancher, Nat. Canad., 1874, 6: 145. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Campoplex vicinus Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des.]

Campoplex vicinus Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Campoplex vicinus Nason, Ent. News, 1905, 16: 152. [Ill.]

Pseudocasinarina vicina Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

Campoplegidea vicina Walley, Sci. Agr., 1940, 20: 695. ♂, ♀. [key, syn. (in part), des., host b, Ont., Que.]

Campoplegidea vicina Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*; b, *Semiothisa sexmaculata*.

Campoplegidea villosa (Norton)

Campoplex villosus Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♂, ♀. [o.d., Conn., Albany, N.Y. (Yale Univ.)]

Campoplex villosus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. [Kans.]

Campoplex villosus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Campoplex villosus Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [N.J.]

Anisitsia villosus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Casinaria (Viereckiana) villosa Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des., Conn.]

Campoplegidea villosa Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Campoplegidea (Viereckiana) villosa Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Viereckiana villosa Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Viereckiana villosa Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Viereckiana villosa Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

Viereckiana villosa Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Viereckiana villosa Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

Viereckiana villosus Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Campoplegidea villosa Walley, Sci. Agr., 1940, 20: 723. ♂, ♀. [key, des., B.C., Md., Man., N.J., N.M., Ore., Pa., Que., Va., W.Va.]

Campoplegidea villosa Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Campoplegidea vitticollis (Norton)

Ophion vitticollis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Campoplex vitticollis Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn. (Yale Univ.), Md.]

Campoplex vitticollis Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des., Que.]

Campoplex vitticollis Nason, Ent. News, 1905, 16: 152. [Ill.]

Anisitsia vitticollis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

Campoplex vitticollis Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

Casinaria (Viereckiana) vitticollis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. ♀. [des., Conn.]

Campoplex vitticollis(!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Campoplegidea (Viereckiana) vitticollis Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

Viereckiana vitticollis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Viereckiana vitticollis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

Viereckiana vitticollis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Viereckiana vitticollis Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

Campoplegidea vitticollis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *a b*, Mass., N.J., N.Y.]

Viereckiana vitticollis Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Campoplegidea vitticollis Walley, Sci. Agr., 1940, 20: 732. ♂, ♀. [key, des., B.C., N.M., "common in northeastern U. S. and adjoining canadian provinces"]

GEOMETRIDAE: *a*, *Phigalea titea*. LASIOCAMPIDAE: *b*, *Malacosoma disstria*.

Campoplegidea woodi Viereck

Campoplegidea (Viereckiana) woodi Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♂. [key, o.d., Coldstream, Ont. (C.N.C.)]

Campoplegidea (Viereckiana) erythrosoma Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Montreal, Que. (C.N.C.), Ont.]

Campoplegidea woodi Walley, Sci. Agr., 1940, 20: 700. ♂, ♀. [key, syn., des., Md., Ohio, Ont., Pa., Que., Va.]

Campoplegidea wyomingensis Viereck

Campoplex wyomingensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 242. ♂. [o.d., near Lander, Wyo. (Univ. Kans.)]

Campoplegidea wyomingensis Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Sask.]

Campoplegidea wyomingensis Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

Campoplegidea walleyi Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271. ♀. [key, o.d., Covey Hill., Que. (C.N.C.), Alta., Ont.]

Campoplegidea diversa Walley, Sci. Agr., 1940, 20: 669. ♂, ♀. [key, syn., des., Alta., B.C., Man., N.B., N.S., Ont., Que., Sask.] In part.

NEPIERA Foerster

Nepiera Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Limneria concinna* Holmgren.

Nepiera basilaris (Provancher) new combination

Limneria basilaris Provancher, Nat. Canad., 1875, 7: 147, 149. ♂. [key, o.d., Que. (M.P.Q.)]

Limneria basilaris Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). ♂. [key, des.]

Limneria basilaris (!) Provancher, Nat. Canad., 1882, 13: 364; (Faune p. 786). ♀. [des.]

Limneria basilaris Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

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Limnerium basilare Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Campoplex (Hyposoter) basilaris Viereck, Canad. Ent., 1925, 57: 203. [key]; 1926, 58: 222. [syn.]

***Nepiera benevola* Gahan**

Nepiera benevola Gahan, Proc. U. S. Nat. Mus., 1914, 48: 157. ♂, ♀. [o.d., host *a*, Salt Lake, Utah (U.S.N.M.)]

Nepiera benevola Essig, Insects of Western N. Amer., 1926, p. 792. [Calif.]

Nepiera benevola Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]

Nepiera (!) *benevola* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PIERIDAE: *a*, *Colias notatus eurytheme*.

***Nepiera curticauda* (Viereck) new combination**

Campoplex (Diadegma) curticauda Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♀. [des., Oliver, B.C. (C.N.C.)]

***Nepiera fuscifemora* Graf, new combination**

Nepiera benevola var. *fuscifemora* Graf, Bull. U. S. Dept. Agr., Feb. 6, 1917, 427: 46. ♀. [o.d. as a fig., biol., host *a*, Southern Calif. (type lost?)]

Nepiera benevola var. *fuscifemora* Gahan, Proc. U. S. Nat. Mus., May 26, 1917, 53: 208. ♂, ♀. [o.d., host *a*, Pasadena, Calif. (U.S.N.M.)] New synonymy.

GELECHIIDAE: *a*, *Gnorimoschema operculella*.

***Nepiera marginata* (Provancher) new combination**

Campoplex marginatus Provancher, Nat. Canad., 1874, 6: 146. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Limneria marginata Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

Limneria marginata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

Limneria brevicauda Provancher, Addit. Faune Canada, Hymén., 1886, p. 88. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

Limnerium brevicaudum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Limnerium marginatum Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limneria marginata Nason, Ent. News, 1905, 16: 152. [Ill.]

Campoplex (Ameloctonus) intimus Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Montreal, Que. (C.N.C.), Ont.] New synonymy.

Campoplex (Ameloctonus) brevicauda Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

Limneria marginata Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Nepiera oblonga (Viereck) new combination

Campoplex (*Ameloctonus*) *oblongus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Orillia, Ont. (C.N.C.)]

Nepiera unica (Viereck) new combination

Angitia (*Diocles*) *unicus* Viereck, Canad. Ent., 1926, 58: 182. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

PHOBOCAMPE Foerster

Hypothereutes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

New synonymy.

Genotype: *Hypothereutes geometrae* Ashmead.

Phobocampe Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Campoplex crassiusculus* Gravenhorst.

Phobocampa Thomson, Opusc. Ent., 1887, 11: 1120.

Genotype: *Campoplex crassiusculus* Gravenhorst.

Phobocampe certa (Viereck) new combination

Campoplex (*Ameloctonus*) *certus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Ottawa, Ont. (C.N.C.)]

Campoplex (*Ameloctonus*) *congeneris* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 259. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

Phobocampe clisiocampae (Weed) new combination

Ameloctonus clisiocampae Weed, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 230. ♂, ♀. [o.d., host *b*, N.H. (N.H. College Agr. Exp. Sta.; cotypes in U.S.N.M. not found)]

Ameloctonus clisiocampae Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 198, 206–208, 223, 226. [fig., biol., host *d*, parasite *a b c*, N.H.]

Limnerium clisiocampae Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 143, 192. [biol., host *f*, N.H.]

Campoplex (*Ameloctonus*) *clisiocampae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [key, des., Conn.]

Ameloctonus clisiocampae Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Campoplex (*Ameloctonus*) *clisiocampae* Viereck, Canad. Ent., 1925, 57: 223. [key]

Hyposoter clisiocampae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *f*, N.Y.]

Hyposoter clisiocampae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a b c e g h*, Conn., Me., Mass., N.H., N.J., N.Y.]

GEOMETRIDAE: a, *Alsophila pometaria*. LASIOCAMPIDAE: b, *Malacosoma americanum*; c, *Malacosoma disstria*; d, *Malacosoma* sp. LYMANTRIIDAE: e, *Hemerocampa leucostigma*; f, *Nygma phaeorrhea*. NOTODONTIDAE: g, *Datana perspicua*; h, *Schizura concinna*.

Parasites. ICHNEUMONIDAE: a, *Itoplectis conquisitor*. CHALCIDIDAE: b, *Dibrachys cavus*; c, *Pteromalus puparium*.

Phobocampe disparis (Viereck) new combination

Hyposoter disparis Viereck, Proc. U. S. Nat. Mus., 1911, 40: 478. ♂, ♀. [o.d., (Kiev, Russia) (U.S.N.M.)]

Limnerium disparis Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 191. [fig., biol., host a, Japan, Russia]

Limnerium disparidis (!) Howard, Ann. Rpt. Mass. State Forester, 1913, 10: 84. [host a, Mass.]

Limnerium disparidis (!) Howard, Ann. Ent. Soc. Amer., 1914, 7: 87. [Mass.]

Hyposoter disparis Burgess and Crossman, Tech. Bull. U. S. Dept. Agr., 1929, 86: 49–54. [fig., biol., host a, Italy, Mass., Russia]

Hyposoter disparis Muesebeck and Parker, Jour. Agr. Res., 1933, 46: 335–347. [des., fig., biol., host a, parasites, Europe, Mass., N.H.]

LYMANTRIIDAE: a, *Porthetria dispar*.

Phobocampe elyi (Viereck) new combination

Hypothereutes elyi Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., East River, Conn. (U.S.N.M.)]

Campoplex (Hypothereutes) elyi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. [key]

Campoplex (Hypothereutes) elyi Viereck, Canad. Ent., 1925, 57: 204. [key]

Phobocampe flavipes (Provancher) new combination

Limneria flavipes Provancher, Nat. Canad., 1874, 6: 148. ♂. [key, o.d., Que. (M.P.Q.)]

Limneria flavipes Provancher, Nat. Canad., 1875, 7: 149. [key]

Limneria flavipes Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, des.]

Limneria flavipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limnerium flavipes Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Campoplex (Hypothereutes) acceptus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., Winnipeg, Man. (C.N.C.), N.H., Ont.] New synonymy.

Idechthis flavipes Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]

Hyposoter flavipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b c, Mass., N.Y.]

GEOMETRIDAE: a, *Ennomos subsignarius*; b, *Erannis tiliaria*; c, *Phigalia titea*.

Phobocampe geometrae (Ashmead) new combination

Hypothereutes geometrae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass.]

Hypothereutes geometrae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 167. ♂. [o.d., host *a*, Arlington, Mass. (U.S.N.M.)]

Campoplex angustus Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

Campoplex (*Hypothereutes*) *concisus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♂, ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *largo* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Royal Oak, B.C. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *angustus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Alymer, Que. (C.N.C.)] New synonymy.

Hyposoter geometrae Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Hyposoter geometrae Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

Hyposoter geometrae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928, 955. [parasite *a*, N.Y.]

Hyposoter geometrae Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

GEOMETRIDAE: *a*, geometrid on *Betula alba*.

Parasite. ICHNEUMONIDAE: *a*, *Bathythrix triangularis*.

Phobocampe pallida (Cushman) new combination

Callidora pallida Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. ♀. [o.d., Montgomery Co., Pa. (U.S.N.M.)]

Phobocampe pallipes (Provancher) new combination

Limneria pallipes Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key, o.d., Que. (M.P.Q.)]

Limneria pallipes Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). ♂, ♀. [key, des.]

Limneria pallipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

Limneria pallipes Howard, Insect Life, 1892, 4: 254. [host *c*, parasite *a*, D.C.]

Limnerium pallidipes Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Campoplex (*Ameloctonus*) *pallipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

Campoplex (*Limneria*) *pallipes* Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 323. [host *c*]

Campoplex (*Ameloctonus*) *pallipes* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]

Campoplex (*Campoplex*) *arcanus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Caradoc, Ont. (C.N.C.)] New synonymy.

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Hyposoter pallipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Hyposoter pallipes Balch, Jour. Econ. Ent., 1932, 25: 1147. [host a]

Hyposoter pallipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b, Mass., N.J.]

Hyposoter pallipes Brown, Tech. Bull. Canada Dept. Agr., 1941, 31: 8. [host b, Canada]

LYMANTRIIDAE: a, *Hemerocampa pseudotsugata*; b, *Notolophus antiquus*. ARCTIIDAE: c, *Hyphantria cunea*.

Parasite. CHALCIDIDAE: a, *Elasmus atratus*.

Phobocampe vernalis (Viereck) new combination

Campoplex (Hypothereutes) vernalis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (Hypothereutes) vernalis Viereck, Canad. Ent., 1925, 57: 204. [key]

Campoplex (Hyposoter) stenus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♂. [des., Hull., Que. (C.N.C.)] New synonymy.

Campoplex (Ameloctonus) speciosus Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

Campoplex (Ameloctonus) vernalis Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 257. [syn.]

HOROGENES Foerster

Angitia Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327. Pre-occupied by Walker, 1858.

Genotype: *Angitia glabricula* Holmgren.

Horogenes Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium (Horogenes) discoocellellae* Viereck.

Diocles Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. Pre-occupied by Ménétriés, 1849 and by Reichenbach, 1850.

Genotype: *Campoplex exareolatus* Ratzeburg.

Diadegma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: *Campoplex crassicornis* Gravenhorst.

Enytus Cameron, Invert. Pacifica, 1905, 1: 132.

Genotype: (*Enytus maculipes* Cameron) = *eureka* Ashmead.

Nothanomaloides Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. New synonymy.

Genotype: *Nothanomaloides stenosomus* Viereck.

Inareolata Ellinger and Sachtleben, Sci. Rpt. Internat. Corn Borer Invest., 1927-28, p. 117. New name for *Diocles* Foerster.

Horogenes acronyctae (Ashmead) new combination

Limneria acronyctae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.
[key, o.d., host *a*, no locality given (U.S.N.M.)]

Limnerium acronyctae Dalla Torre, Cat. Hymen., 1901, 3: 89. [syn.]

Campoplex (Ameloctonus) acronyctae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

PHALAEINIDAE: *a*, *Acronicta oblinita*.

Horogenes acutus (Viereck) new combination

Campoplex (Hyposoter) acutus Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Oliver, B.C. (C.N.C.)]

Campoplex (Hyposoter) vancouverensis Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., Vancouver, B.C. (C.N.C.)] New synonymy.

Angitia platyptiliae Cushman, Pan-Pacific Ent., 1939, 15: 183. ♂, ♀. [o.d., host *a*, Half Moon Bay, Calif. (U.S.N.M.)] New synonymy.

Angitia platyptiliae Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 22, 67. [des., fig., biol., host *a b c*, Calif.]

PTEROPHORIDAE: *a*, *Platyptilia carduidactyla*. PYRAUSTIDAE: *b*, *Phlyctaenia rubigalis*; *c*, *Pyrausta subsequalis*.

Horogenes aestivalis (Viereck) new combination

Angitia aestivalis Viereck, Psyche, 1921, 28: 71. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

Campoplex (Angitia) aestivalis Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia aestivalis Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [host *a*, Me.]

COLEOPHORIDAE: *a*, *Coleophora* sp. on *Ribes* sp.

Horogenes albertae (Walley) new combination

Angitia albertae Walley, Canad. Ent., 1929, 61: 191, 193. ♀. [key, o.d., Slave Lake, Alta. (C.N.C.)]

Horogenes albipes (Provancher) new combination

Porizon albipes Provancher, Addit. Faune Canada, Hymén., 1888, p. 364. ♀.
[o.d., Cap Rouge, Que. (M.P.Q.)]

Campoplex (Nemeritis) ocellatus Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.

Horogenes alticola (Cushman) new combination

Zaporus alticola Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Diectes alticola Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 11. ♀.
[syn., o.d., Mt. Washington, N.H. (U.S.N.M.)]

Campoplex (Diectes) alticola Viereck, Canad. Ent., 1925, 57: 227. [key]

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Horogenes annulipes (Ashmead) new combination

Hypothereutes annulipes Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♀.
[o.d., Alaska (U.S.N.M.)]

Campoplex (*Ameloctonus*) *taeniopus* Viereck, Canad. Ent., 1925, 57: 224. [key,
new name for *Hypothereutes annulipes* Ashmead]

Horogenes antennaellae (Walley) new combination

Campoplex (*Angitia*) *antennaellae* Walley, Canad. Ent., 1932, 64: 182. ♀
(only). [o.d., host *a*, Bobcaygeon, Ont. (C.N.C.)] The male described is a
species of *Campoplex*.

COLEOPHORIDAE: *a*, *Coleophora occidentis*.

Horogenes buckelli (Viereck) new combination

Campoctonoides buckelli Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];
57: 296. ♀. [des., Nicola, B.C. (C.N.C.)]

Horogenes cacoeciae (Viereck) new combination

Campoplex (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1924, 56: 67. ♀. [o.d.,
host *a*, Vernon, B.C. (C.N.C.)]

Campoplex (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia cacoeciae Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

Horogenes combinatus (Holmgren) new combination

Limneria combinata Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2: 62.
♂, ♀. [o.d., Ilstorp, Scania and Hvitsand, Vermland in Sweden (?Stock-
holm Mus.)]

Angitia combinata Thomson, Opusc. Ent., 1887, 11: 1162. [des., Europe]

Angitia combinata Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. ♀.
[des., Greenland]

Horogenes compressus (Cresson) new combination

Mesoleptus compressus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♂. [o.d.,
Pa. (A.N.S.P.)]

Limneria ferrugineipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♂.
[key, o.d., Tex. (U.S.N.M.)] New synonymy.

Casinaria compressa Riley and Howard, Insect Life, 1890, 3: 157. [host *i*,
Ohio]

Limneria ferrugineipes Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30:
7. [des., biol., host *h*, S.D.]

Limnerium ferrugineipes Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria compressa Nason, Ent. News, 1905, 16: 152. [Ill.]

Idecthis (!) *paenerivalis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 216. ♂, ♀.
[o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

- Omorgus ferrugineipes* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀. [key, des., host g, Pa.]
- Campoplex (Angitia) oedemisiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., East Hartford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Campoplex (Angitia) ruficoxa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [key, Conn.] Misdetermination of *Limneria ruficoxa* Prov.
- Campoplex (Ecphora) oedemisiformis* Viereck, Canad. Ent., 1925, 57: 202. [key]
- Campoplex (Ischnoscopus) paenerivalis* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 199. [key, syn.]
- Campoplex (Campoplex) ruficoxalis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des.]; 58: 176. [syn., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New name for *Campoplex (Angitia) ruficoxa* Viereck, 1917 not Provancher. New synonymy.
- Campoplex (Angitia) oedemisiformis* Viereck, Canad. Ent., 1925, 57: 228. [key]
- Campoplex ferrugineipes* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 55. [host d, N.J.]
- Campoplex ferrugineipes* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Campoplex ferrugineipes* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16-17. [fig., host c, Va.]
- Campoplex ferrugineipes* Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61: 621, 622. [host b c, Va.]
- Campoplex ferrugineipes* Poos, Proc. Ent. Soc. Wash., 1928, 30: 147, 149. [host c, Va.]
- Campoplex ferrugineipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Campoplex ferrugineipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Angitia oedemisiformis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Angitia ferrugineipes* Nelson, Jour. Econ. Ent., 1936, 29: 312. [host e, Va.]
- Angitia ferrugineipes* Thomas, Jour. Econ. Ent., 1936, 29: 315. [host c, Pa.]
- Angitia ferrugineipes* Thomas, Bull. Pa. State Col., 1936, 337: 9. [host a, Pa.]
- Angitia paenerivalis* Beckwith, Jour. Econ. Ent., 1938, 31: 255. [host e, N.J.]
- Angitia paenerivalis* Cushman, Pan-Pacific Ent., 1939, 15: 185. [syn.]

GELECHIIDAE: a, *Keiferia lycopersicella*; b, *Keiferia glochinella*; c, *Gnorimoschema operculella*. TORTRICIDAE: d, *Amelia pallorana*; e, *Platynota stultana*; f, *Sparganothis sulfureana*. OLETHREUTIDAE: g, *Polychrosis viteana*. CIMBICIDAE: h, *Cimbex americana*. Miscellaneous: i, lepidopterous larva.

Horogenes comptoniellae (Viereck) new combination

Campoplex (Hyposoter) comptoniellae Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♂, ♀. [des., host *d e*, Wakefield, Que. (C.N.C.)]

Campoplex digitatus Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 11. ♂, ♀. [o.d., host *a b c*, Newington, N.H. (U.S.N.M.), Mass., R.I.] New synonymy.

GELECHIIDAE: *a*, *Aroga trialbamaculata*. TORTRICIDAE: *b*, *Peronea fragariana*. PHYCITIDAE: *c*, *Acrobasis caryivorella*; *d*, *Acrobasis comptoniella*; *e*, *Acrobasis rubrifasciella*.

Horogenes conodor (Viereck) new combination

Campoplex (Nemeritis) conodor Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key, (Sudbury, Ont.) (C.N.C.)]

Campoplex (Nemeritis) concolor (!) Viereck, Canad. Ent., 1926, 58: 179. ♀. [des., Ont.]

Horogenes discoocellellae (Viereck)

Limnerium (Horogenes) discoocellellae Viereck, Proc. U. S. Nat. Mus., 1911, 39: 404. ♀. [o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Angitia discoocellellae Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *b*, Mich.]

Angitia discoocellellae Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

GELECHIIDAE: *a*, *Chionodes violaceofusca*; *b*, *Filatima persicaella*.

Horogenes eureka (Ashmead) new combination

Limneria eureka Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Los Angeles, Calif. (U.S.N.M.)]

Limnerium eureka Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Enytus maculipes Cameron, Invertebrata Pacifica, 1903, 1: 132. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)] New synonymy.

Dioctes maculipes Morley, Ann. Mag. Nat. Hist., 1914, (8) 14: 409. [syn.]

Angitia maculipes Morley, Ann. Mag. Nat. Hist., 1915, (8) 16: 340. [syn.]

Campoplex (Dioctes) eureka Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Campoplex (Dioctes) rosaceanae Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 181. ♀. [des., host *a*, Vernon, B.C. (C.N.C.)] New synonymy.

Campoplex (Dioctes) maculipes Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Campoplex eureka Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

Dioctes eureka Basinger, Monthly Bull. Calif. Dept. Agr., 1935, 24: 233. [host *b*, Calif.]

Diocetes eureka Edwards and Mote, Jour. Econ. Ent., 1936, 29: 1123. [host *c*, Ore.]

TORTRICIDAE: a, *Archips rosaceana*; b, *Argyrotaenia citrana*; c, *Cnephasia longana*.

Horogenes exareolatus (Ratzeburg) new combination

Campoplex exareolata Ratzeburg, Ichneum. d. Forstins., 1852, 3: 89. ♂, ♀.
[o.d., host Germany (? Forstliche Hochschule, Eberswalde, Germany)]

Angitia exareolata Thomson, Opusc. Ent., 1887, 11: 1163. [des., Europe]

Limneria exareolata Lundbeck, Vidensk. Medd. Nat. For. København, (1896).
1897, p. 238. [Greenland]

Horogenes fenestralis (Holmgren) new combination

Limneria fenestralis Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, pt. 2: 59.
♂, ♀. [o.d., Sweden (? Stockholm Mus.)]

Angitia fenestralis Thomson, Opusc. Ent., 1887, 11: 1156. ♂, ♀. [des., host,
Europe]

Angitia fenestralis Walley, Canad. Ent., 1929, 61: 193. [key, Ont.]

Angitia fenestralis Peck, Canad. Jour. Res., 1937, D, 15: 239, 240, 244. [fig.,
morphology]

Horogenes galleriae (Cushman) new combination

Angitia galleriae Cushman, Proc. U. S. Nat. Mus., 1920, 58: 266. ♂, ♀.
[o.d., host *a*, Lansing, Mich. (U.S.N.M.)]

Campoplex (Angitia) galleriae Viereck, Canad. Ent., 1925, 57: 227. [key]

GALLERIIDAE: a, *Galleria mellonella*.

Horogenes groenlandicus (Roman) new combination

Anilasta groenlandica Roman, Arkiv för Zoologi, 1916, 10, no. 22: 11. ♀.
[o.d., Eidi, Greenland (Stockholm Mus.)]

Anilastus groenlandicus Hendriksen and Lundbeck, Meddel. om Grønland,
1918, 22: 538. [syn.]

Angitia groenlandica Roman, Ann. Mag. Nat. Hist., 1934, (10) 14: 610. [des.,
Greenland]

Horogenes insularis (Cresson) new combination

Mesoleptus insularis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 15. ♂. [o.d.,
Cuba (A.N.S.P.)]

Limneria polynesialis Cameron, Trans. Ent. Soc. London, 1883, p. 191. ♀.
[o.d., Haleakala, 4000 ft., Maui, Hawaii (location of type unknown)]

Campoplex (Angitia) hellulae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631.
♀. [o.d., host *b c*, Santa Ana, Calif. (U.S.N.M.)] New synonymy.

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Angitia polynesialis Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn. (in part), des., Hawaii]

Campoplex (Angitia) hellulae Viereck, Canad. Ent., 1925, 57: 228. [key]

Angitia hellulae Walker and Anderson, Bull. Va. Truck Exp. Sta., 1936, 93: 1382. [biol., host *a*, parasite *a*, Va.]

Angitia hellulae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Angitia hellulae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*; *b*, *Plutella omissa*?. PYRAUSTIDAE: *c*, *Hellula undalis*.

Parasites. CHALCIDIDAE: *a*, *Eupteromalus viridescens*.

Horogenes johanseni (Viereck) new combination

Campoctonoides johanseni Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♂, ♀. [des., Alright Is., Que. (C.N.C.)]

Horogenes kiehtani (Viereck) new combination

Campoplex (Angitia) kiehtani Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, host *b*, Woodruff's Storehouse, Orange, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (Angitia) woonandi Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

Campoplex (Hyposoter) petiolatus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.

Campoplex (Hyposoter) curtus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Montreal, Que. (C.N.C.)] New synonymy.

Campoplex (Hyposoter) triangularis Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoplex (Diadegma) costata Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 279. ♀. [des., Biburn, Hastings Co., Ont. (C.N.C.)] New synonymy.

Campoplex (Angitia) kiehtani Viereck, Canad. Ent., 1925, 57: 228. [key]

Campoplex (Angitia) woonandi Viereck, Canad. Ent., 1925, 57: 228. [key]

Campoplex (Eulimneria) bakeri Viereck, Canad. Ent., 1925, 57: 278. ♀. [o.d., host *c*, St. Anne, Que. (C.N.C.)] New synonymy.

Campoplex (Ecphora) kiehtani Viereck, Canad. Ent., 1926, 58: 282. [syn.]

Angitia incipiens Walley, Canad. Ent., 1929, 61: 192, 193. ♀. [key, o.d., host *a*, London, Ont. (C.N.C.)] New synonymy.

PHYCITIDAE: *a*, ?*Ephestia kuehniella*; *b*, ?*Plodia interpunctella*. Miscellaneous: *c*, pod borer in *Iris* sp.

Horogenes laticeps (Viereck) new combination

Campoplex (Hyposoter) laticeps Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Victoria, B.C. (C.N.C.), Alta.]

Horogenes lyonetae (Viereck) new combination

Campoplex (*Nemeritis*) *lyonetae* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♂. [des., host *a*, Nelson, B.C. (C.N.C.)]

LYONETIDAE: *a*, *Lyonetia speculella*.

Horogenes minutus (Viereck) new combination

Campoplex (*Hyposoter*) *minutus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]

Hyposoter mimulus (!) Brimley, Suppl. Insects of N.C., 1942, 31. [N.C.]

Horogenes molestae (Uchida) new combination

Dioctes molestae Uchida, Jour. Wash. Acad. Sci., 1933, 23: 148. ♀. [o.d., fig., host *a*, Japan (? Hokkaido Imp. Univ.)]

Angitia (*Diocetes*) *molestae* Neave, Rev. Appl. Ent., 1934, 22: 354. [syn.]

Diocetes molestae Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 223, 224. [biol., host *a*, Conn.]

Diocetes molestae Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 16-17, 51-52. [host *a*, Va.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

Horogenes montanus (Ashmead) new combination

Ischnocerus montanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀. [o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

Campoplex (*Diocetes*) *montanus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

Horogenes obliteratus (Cresson) new combination

Mesoleptus obliteratus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♀. [o.d., Ill. (A.N.S.P.)]

Limneria obliterata Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

Limneria elegans Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *i*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.

Limneria obliterata Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

Limneria salicicola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host *g*, London, Ont. (U.S.N.M.)] New synonymy.

Limneria salicicola Riley and Howard, Insect Life, 1890, 3: 158. [Tex.]

Limneria obliterata Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.]

Limneria salicicola Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Limnerium obliteratum Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Limnerium elegans Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limnerium salicicolum Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

Thymaris slingerlandana Ashmead, Canad. Ent., 1904, 36: 333. ♀. [o.d., fig., host *l*, Ithaca, N.Y. (U.S.N.M.)]

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- Thymaris slingerlandana* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 53. [biol., host *l*, N.Y.]
- Diocetes obliteratus* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *l*, Pa.]
- Campoplex (Diocetes) obliteratus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [des.]
- Diocetes obliteratus* Felt, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 46. [host *d*, N.Y.]
- Diocetes obliteratus* Felt, Cornell Univ. Agr. Exp. Sta. Extension Bull., 1918, 27: 147. [host *d*, N.Y.]
- Diocetes obliteratus* Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host *d*, Conn., N.Y.]
- Campoplex (Diocetes) obliteratus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]
- Campoplex (Nemeritis) dolichourus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., host *a*, Oakville, Ont. (C.N.C.)] New synonymy.
- Diocetes salicicola* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Diocetes obliteratus* Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host *l*, Mich.]
- Diocetes obliteratus* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *h*, Pa.]
- Diocetes obliteratus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3 fig. 10d. [biol.]
- Diocetes obliteratus* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *h*, Va.]
- Diocetes obliteratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *d h k*, N.Y.]
- Diocetes salicicola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *f*, N.Y.]
- Diocetes obliteratus* Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 41. [host *l*, Del.]
- Diocetes obliteratus* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *k*, Ont.]
- Diocetes obliteratus* Dozier and Butler, Jour. Econ. Ent., 1929, 22: 135. [host *l*, Del.]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [biol., host *k*, Ont.]
- Angitia (Diocetes) obliterata* Neave, Rev. Appl. Ent., 1929, 16: 713. [syn.]
- Diocetes obliteratus* Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *k*, N.J.]
- Diocetes obliteratus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [host *d*, Mass.]
- Diocetes obliteratus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *k*, Ohio]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *k*, Ont.]

- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68.
[host *k*, Ont.]
- Diocetes obliteratus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.
[host *k*, N.Y.]
- Diocetes obliteratus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *k*, Tenn.]
- Diocetes obliteratus* Merritt, Jour. Econ. Ent., 1933, 26: 789-790. [host *k*, Mich.]
- Diocetes obliteratus* Montgomery, Canad. Ent., 1933, 65: 186. [host *n*, Ind.]
- Diocetes obliteratus* McSparan, Bull. Pa. Dept. Agr., 1934, 526: 27. [host *k*, Pa.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 48. [host *b c d l m*, Ont.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 106, 107, 109. [host
b c d l m, Ont.]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.
[host *k*, Ont.]
- Diocetes obliteratus* Garlick, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 111. [biol.,
host *l*, Ont.]
- Diocetes obliteratus* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26, 27.
[host *k l*, Ohio]
- Diocetes obliteratus* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:
72. [biol., host *k*, Ont.]
- Inareolata obliterata* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host
k, Del.]
- Diocetes obliteratus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *j*,
Canada]

COLEOPHORIDAE: *a*, *Coleophora fletcherella*. YPONOMEUTIDAE: *b*, *Argyresthia oreasella*; *c*, *Xyrosaris celastrusella*. GLYPHIPTERYGIDAE: *d*, *Anthophila pariana*. GELECHIIDAE: *e*, *Aristotelia rubidella*; *f*, *Dichomeris ligulella*; *g*, "*Gelechia*" on *Salix* sp. TORTRICIDAE: *h*, *Argyrotaenia velutinana*; *i*, *Peronea minuta*; *j*, *Peronea variana*. OLETHREUTIDAE: *k*, *Grapholitha molesta*; *l*, *Polychrosis viteana*; *m*, *Proteoteras aesculana*. PYRAUSTIDAE: *n*, *Desmia funeralis*.

Horogenes obliteratedellus (Viereck) new combination

Campoplex (*Hyposoter*) *obliteratedella* Viereck, Canad. Ent., 1925, 57: 204. [o.d.
in key]; 1926, 58: 222. ♀. [des., Agassiz, B.C. (C.N.C.)]

Horogenes obscurus (Cresson) new combination

- Mesoleptus obscurus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♀. [o.d.,
Ill. (A.N.S.P.)]
- Limneria obscura* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]
- Limneria obscura* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria obscura* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Meloboris obscura* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.Y.]
- Limnerium obscurum* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria obscura* Nason, Ent. News, 1905, 16: 152. [Ill.]

- Limnerium obscurum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.] In part.
- Angitia obscura* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]
- Campoplex (Hyposoter) convergens* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Cranbrook, B.C. (C.N.C.), Alta.] New synonymy.
- Campoplex (Ischnoscopus) vinalis* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 197. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.
- Campoplex (Angitia) obscura* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926, 58: 282. [syn.]
- Angitia obscura* Ainslie, Tech. Bull. U. S. Dept. Agr., 1927, 31: 15. [host *a*, Ind.]
- Cymodusa obscura* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Angitia obscura* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- CRAMBIDAE: *a*, *Crambus* sp.

Horogenes oculus (Viereck) new combination

- Campoplex (Nemeritis) oculus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., host *a*, Ont. (C.N.C.)]
- GEOMETRIDAE: *a*, canker worm.

Horogenes openangorum (Viereck) new combination

- Campoplex (Angitia) openangorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d. in key, Thompson, Conn. (Conn. Agr. Exp. Sta.)]
- Campoplex (Angitia) openangorum* Viereck, Canad. Ent., 1925, 57: 228. [key]

Horogenes paenesessilis (Viereck) new combination

- Campoplex (Hyposoter) paenesessilis* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)]

Horogenes parvus (Provancher) new combination

- Limneria parva* Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria parva* Provancher, Nat. Canad., 1875, 7: 149. [key]
- Limneria parva* Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]
- Limneria parva* Provancher, Nat. Canad., 1887, 16: 24. [Que.]
- Limneria parva* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Limneria parva* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1900, 30: 108. [host *a*, Ont.]

Limnerium parvum Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

YPONOMEUTIDAE: a, *Plutella maculipennis*.

Horogenes parviformis (Viereck) new combination

Campoplex (*Angitia*) *parviformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, North Haven, Conn. (Conn. Agr. Exp. Sta.)]

Campoplex (*Angitia*) *parviformis* Viereck, Canad. Ent., 1925, 57: 228. [key]

Horogenes patens new name

Angitia (*Inareolata*) *laticeps* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. ♂, ♀. [o.d., central Lapland, Sweden (? Stockholm Mus.), Siberia, Greenland]. Preoccupied in *Horogenes* by Viereck, 1925.

Horogenes pattoni (Ashmead) new combination

Limneria Pattoni Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♂. [key, o.d., Selma, Ala. (U.S.N.M.)]

Limneria eurycreontis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., host *b*, Kellogg, Cowley Co., Kans. (U.S.N.M.)] New synonymy.

Limneria eurycreontis Riley, Insect Life, 1890, 2: 328. ♂, ♀. [fig., biol., host *b*, Ark.]

Limneria eurycreontis Riley and Howard, Insect Life, 1890, 3: 158. [D.C.]

Limneria mississippiensis Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)] New synonymy.

Limnerium eurycreontis Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limnerium mississippiense Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

Limnerium pattonii Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Amorphota paenexareolata Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

Amorphota confluens Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

Amorphota paenexareolata Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

Cymodusa simplicicornis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. ♀. [o.d., Wallops Is., Va. (U.S.N.M.)] New synonymy.

Limneria eurycreonis (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Cymodusa mississippiensis Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

Cymodusa simplicicornis Viereck, Canad. Ent., 1925, 57: 180. [key]

Campoplex (*Hyposoter*) *confluens* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]

Campoplex (*Campoplex*) *paenexareolatus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

Campoplex (Diadegma) eurycreontis Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Campoplex (Diadegma) pattoni Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Cymodusa mississippiensis Ainslie, Tech. Bull. U. S. Dept. Agr., 1930, 173: 24. [host a]

CRAMBIDAE: a, *Crambus teterellus*. PYRAUSTIDAE: b, *Loxostege similalis*.

Horogenes plutellae (Viereck) new combination

Angitia plutellae Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., host c, Rocky Ford, Colo. (U.S.N.M.)]

Angitia plutellae Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 109: 75. [host a, Colo.]

Angitia plutellae Marsh, Jour. Agr. Res., 1917, 10: 8. [fig., biol., host b, Ariz., Colo.]

Angitia polynesiensis Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn.] In part.

Campoplex (Hyposoter) pygmaeus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

Campoplex (Angitia) plutellae Viereck, Canad. Ent., 1925, 57: 228. [key]

Sagaritis n. sp. Walley, Canad. Ent., 1926, 58: 225. ♂, ♀. [des., biol., Sask.]

Sagaritis congregator Walley, Canad. Ent., 1927, 59: 228. [o.d. in key, name for *Sagaritis* n. sp. Walley, (LaFleche, Sask.) (C.N.C.)] New synonymy.

Angitia plutellae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host b, N.Y.]

Sagaritis congregator King, Sci. Agr., 1929, 9: 385. [host b, Sask.]

Angitia plutellae Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host b d, Ut.]

Angitia plutellae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YPONOMEUTIDAE: a, *Plutella amoraciae*; b, *Plutella maculipennis*; c, *Plutella omissa*. PYRAUSTIDAE: d, *Hellula undalis*.

Horogenes pterophorae (Ashmead) new combination

Limneria pterophorae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., host a, Alameda, Calif. (U.S.N.M.)]

Limneria pterophorae Riley and Howard, Insect Life, 1890, 3: 157. [Tex.]

Limnerium pterophorae Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

Campoplex (Angitia) pterophorae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

Campoplex (Angitia) pterophorae Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 282. [syn.]

Angitia pterophorae Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

PTEROPHORIDAE: a, "*Pterophorus*" on *Malus pumila*.

Horogenes punctorius (Roman) new combination

- Angitia* (*Diocetes*) *punctoria* Roman, Ent. Tidskr., 1923, 44: 171. ♂, ♀.
[o.d., host *a*, Southern France (Stockholm Mus.)]
- Angitia* (*Diocetes*) *punctoria* Larrimar, Monthly letter U. S. Dept. Agr. Bur.
Ent., 1926, 147: 4. [host *a*, New England]
- Diocetes punctoria* Jones, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 55. [biol., host *a*,
Mass.]
- Inareolata punctoria* Wishart and Thomas, Ann. Rpt. Ent. Soc. Ont., 1933, 63:
40, 41. [biol., host *a*, Ont.]
- Inareolata punctoria* Gibson, Cong. Internat. Ent. Paris, 1933, 2: 62. [host *a*,
Ont.]
- Inareolata punctoria* Baird, Proc. 5th Pacific Sci. Cong., 1934, 5: 3540. [host *a*,
Canada]
- Inareolata punctoria* Davis, Jour. Econ. Ent., 1935, 28: 328. [host *a*, United
States]
- Inareolata punctoria* Baker and Bradley, Jour. Econ. Ent., 1938, 31: 345, 346,
348. [host *a*, Conn., Mass., Mich., N.J.]
- Inareolata punctoria* Caffrey, Farmers' Bull. U. S. Dept. Agr., 1941, 1548,
revised: 19. [host *a*, Eastern States]
- PYRAUSTIDAE: *a*, *Pyrausta nubilalis*.

Horogenes rivalis (Cresson) new combination

- Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀ (only).
[o.d., Bosque Co., Tex. (U.S.N.M.)]
- Limneria rivalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria rivalis* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42.
[Ohio]
- Limneria rivalis* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Omorga rivalis* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]
- Campoplex* (*Angitia*) *rivalis* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,
58: 282. [syn.]
- Cymodusa rivalis* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

Horogenes rosanae (Viereck) new combination

- Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1924, 56: 68. ♀. [o.d.,
host *a*, Sydney, N.S. (C.N.C.)]
- Campoplex* (*Ischnoscopus*) *alterus* Viereck, Canad. Ent., 1925, 57: 223. [o.d.
in key]; 1926, 58: 196. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1925, 57: 228. [key]
- Angitia rosanae* Walley, Canad. Ent., 1929, 61: 192. [key]
- Angitia rosanae* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.
[host *b*, N.Y.]

TRICIDAE: *a*, *Archips rosana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

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Horogenes solenobiae (Ashmead) new combination

Limneria solenobiae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂. [key, o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

Limneria solenobiae Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Limnerium solenobiae Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

Campoplex (*Diadegma*) *solenobiae* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

Limnerium solenobiae Taylor, Ent. Amer., 1929, 10: 40. [Mass.]

Diadegma solenobiae Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [Me.]

PSYCHIDAE: *a*, *Solenobia walshella*.

Horogenes solus (Viereck) new combination

Campoplex (*Nemeritis*) *solus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)]

Horogenes stenosomus (Viereck) new combination

Nothanomaloides stenosomus Viereck, Trans. Roy. Soc. Canada, 1925, 19: 272. ♀. [o.d., Sudbury, Ont. (C.N.C.)]

Horogenes trachas (Viereck) new combination

Campoplex (*Nemeritis*) *trachas* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 181. ♂. [des., Cochrane, Alta. (C.N.C.)]

Horogenes truncatus (Viereck) new combination

Campoplex (*Hyposoter*) *truncatus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Bernard Harbour, N.W. Terr. (C.N.C.)]

Horogenes sp.

Ameloctonus fugitivus Viereck, Canad. Ent., 1925, 57: 104. [syn.] Mis-determined.

Ameloctonus fugitivus Viereck, Canad. Ent., 1926, 58: 65. [syn.] Mis-determined.

HYPOSOTER Foerster

Hyposoter Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium* (*Hyposoter*) *parorgyiae* Viereck.

Ischnoscopus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Ischnoscopus synchloae* Ashmead.

? *Anilastus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Campoplex rapax* Gravenhorst.

Ameloctonus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Banchus fugitivus* Say.

? *Anilasta* Thomson, Opusc. Ent., 1887, 11: 1053, 1168.

Genotype: *Campoplex rapax* Gravenhorst.

***Hyposoter affinis* (Cresson) new combination**

Mesoleptus affinis Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀ (not ♂).

[o.d., Ill. (A.N.S.P.)]

Mesoleptus affinis Provancher, Nat. Canad., 1875, 7: 271, 272. [key, Que.]

Campoplex (*Angitia*) *affinis* Viereck, Canad. Ent., 1925, 57: 227. [key]

***Hyposoter annulipes* (Cresson)**

Mesoleptus annulipes Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♀. [o.d.,

Canada West (A.N.S.P.)]

Limneria annulipes Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]

Mesoleptus annulipes Provancher, Nat. Canad., 1875, 7: 113. [key, des., Que.]

Mesoleptus annulipes Provancher, Nat. Canad., 1875, 7: 271. [key]

Limneria annulipes Provancher, Nat. Canad., 1879, 11: 175; (Faune p. 367).

♂, ♀. [key, des.]

Limneria annulipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 85.

[key]

Limneria annulipes Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limneria annulipes Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]*

Limneria annulipes Riley and Howard, Insect Life, 1890, 3: 157. [host *b c e*,

D.C., Ia., Ont.]

Limneria annulipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.

[N.J.]

Limnerium annulipes Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

Angitia annulipes Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]

Limneria annulipes (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386.

[Kans.]

Campoplex annulipes Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.,

Ont., Que.]

Campoplex (*Ischnoscopus*) *mitralis* Viereck, Canad. Ent., 1925, 57: 223. [o.d.

in key]; 1926, 58: 197. ♀. [des., Fort Norman, McKenzie River, N.W.

Terr. (C.N.C.)] New synonymy.

Campoplex (*Ischnoscopus*) *truncatellus* Viereck, Canad. Ent., 1925, 57: 223.

[o.d. in key]; 1926, 58: 197. ♀. [des., Trenton, Ont. (C.N.C.)] New

synonymy.

Campoplex (*Ameloctonus*) *confusus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.

in key]; 1926, 58: 277. ♀. [des., Aylmer, Que. (C.N.C.)] New syn-

onymy.

Campoplex (*Ameloctonus*) *annulipes* Viereck, Canad. Ent., 1925, 57: 224. [key];

1926, 58: 279. [syn.]

Hyposoter annulipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.

[host *g*, Me.]

Hyposoter annulipes Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Hyposoter annulipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *b c e f h*, N.Y.]

Hyposoter annulipes Gould, Bull. W.Va. Agr. Exp. Sta., 1931, 246: 9. [host *a*, W.Va.]

Hyposoter annulipes Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *d i*, Me., Mass.]

Hyposoter annulipes Marshall and Musgrave, Canad. Ent., 1937, 69: 101. [host *j*, Ind.]

Hyposoter annulipes Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]

Hyposoter annulipes Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *a*, W.Va.]

COLEOPHORIDAE: *a*, *Coleophora malivorella*. GELECHIIDAE: *b*, *Filatima pseudo-acaciella*. PHYCITIDAE: *c*, *Mineola indiginella*. PHALAENIDAE: *d*, *Catocala antinympha*; *e*, *Ceramica picta*; *f*, *Heliothis armigera*; *g*, "*Mamestra*" sp.; *h*, *Plusia precatonis*; *i*, *Pyrria umbra*. Miscellaneous: *j*, leaf roller on *Malus pumila*.

***Hyposoter asper* (Viereck) new combination**

Campoplex (Ameloctonus) asper Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Waterton Lakes, Alta. (C.N.C.)]

***Hyposoter basizona* (Viereck) new combination**

Campoplex (Angitia) basizona Viereck, Canad. Ent., 1924, 56: 67. ♂. [o.d., host *a*, Vernon, B.C. (C.N.C.)]

Campoplex (Angitia) basizona Viereck, Canad. Ent., 1925, 57: 228. [key]
Angitia basizona Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

***Hyposoter degrysei* (Viereck) new combination**

Campoplex (Ameloctonus) degrysei Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Indian Head, Sask. (C.N.C.)]

***Hyposoter dimidiatus* (Ashmead) new combination**

Zachresta dimidiata Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)]

***Hyposoter disippi* (Viereck) new combination**

Campoplex (Ameloctonus) disippi Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 276. ♀. [des., host *a*, Toronto, Ont. (C.N.C.)]

NYMPHALIDAE: *a*, *Basilarchia archippus*.

***Hyposoter erythrinus* (Viereck)**

Campoplex (Hyposoter) erythrinus Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., St. Louis, Sask. (C.N.C.)]

Hyposoter exiguae (Viereck)

Campoplex (Hypothereutes) exiguae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀. [o.d., host *b*, Davis, Calif. (U.S.N.M.)]

Campoplex (Hypothereutes) exiguae Viereck, Canad. Ent., 1925, 57: 204. [key]

Campoplex (Ameloctonus) eurythemae Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 258. ♂, ♀. [des., host *d*, Kinisteno, Sask. (C.N.C.)]
New synonymy.

Hyposoter exiguae Swezey, Jour. Econ. Ent., 1926, 19: 720. [biol., host, Hawaii]

Hyposoter exiguae Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host *c*]

Hyposoter exiguae Michelbacher & Essig, Bull. Calif. Agr. Exp. Sta., 1938, 625: 21. [fig., biol., host *a*, Calif.]

PHALAEINIDAE: *a*, *Heliothis armigera*; *b*, *Laphygma exigua*; *c*, *Prodenia praefica*.
PIERIDAE: *d*, *Colias notatus eurytheme*.

Hyposoter frigidus (Lundbeck) new combination

Limneria sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Limneria frigida Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 236. ♂, ♀. [o.d., host *a b*, Ivigtut, Sermiliarsuk, and Tassiusak, Greenland (Copenhagen Mus.)]

Limnerium frigidum Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

Limneria frigida Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

Anilasta frigida Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

Anilastus frigidus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 537. [syn., Greenland]

Ailasta (!) frigida Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

PHALAEINIDAE: *a*, *Anarta* sp.; *b*, "*Hadena*" sp.

Hyposoter fugitivus fugitivus (Say)

Banchus fugitivus Say, Boston Jour. Nat. Hist., 1836, 1: 247. (Leconte Ed., 2: 701). ♂, ♀. [o.d., biol., Ind. (type destroyed)]

Campoplex fugitiva Walsh and Riley, Amer. Ent., 1868, 1: 38. [host *h*]

Campoplex fugitivus Riley, Ann. Rpt. Insects Mo., 1869, 1: 139. [host *h*]

Limneria fugitiva Riley, Ann. Rpt. Insects Mo., 1872, 4: 41. [host *b h k l*, N.Y., Vt.]

Limneria fugitiva Riley, Ann. Rpt. Insects Mo., 1873, 5: 133, 141. [host *j o*]

Limneria fugitiva Lintner, Rpt. Injurious Insects N.Y., 1885, 2: 41. [host *j*]

Limneria Guignardi Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. ♂, ♀. [key, o.d., host *g*, Ottawa, Ont. (C.N.C.)]

Limneria fugitiva Lintner, Cultivator and Country Gentleman, 1886, 51: 695. [biol., host *g t*, Md.]

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- Limneria fugitiva* Lintner, Ann. Rpt. N.Y. State Mus. Nat. Hist., 1888, 40: 90. [biol., host g, Md.]
- Limneria fugitiva* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. [key, host q r s, Ill., Mo., W.Va.]
- Limneria fugitiva* Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [biol., host k, parasite (misdetermined) a, S.C.]
- Limneria fugitiva* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Limneria fugitiva* Ashmead, Proc. U. S. Nat. Mus. 1890, 12: 430. [key]
- Limneria fugitiva* Riley and Howard, Insect Life, 1890, 3: 157. [host b h l, D.C., Mo.]
- Limneria oedemasiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂, ♀. [key, o.d., host h, Washington, D.C. (U.S.N.M.)]
- Limneria oedemasiae* Riley and Howard, Insect Life, 1891, 4: 207. [host g, Pa.]
- Limneria fugitiva* Coquillett, Insect Life, 1892, 5: 141. [host d, Calif.]
- Limneria fugitiva* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Limneria fugitiva* Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]
- Limneria fugitiva* Coquillett, Bull. U. S. Dept. Agr., Div. Ent., 1894, 32: 29. [host d, Calif.]
- Limneria Guignardi* Davis, Canad. Ent., 1895, 27: 287, 290. [syn. des.,]
- Limneria Guignardi* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Limneria fugitiva* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host g, Mass.]
- Limneria fugitiva* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ameloctonus fugitivus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [syn.]
- Limneria fugitiva* Weed and Fiske, Bull. U. S. Dept. Agr., Div. Ent., 1900, 26: 34. [host c, parasite c]
- Limnerium fugitivum* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]
- Limnerium oedemasiae* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria fugitiva* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 200, 202-206. [fig., biol., host c, parasite a b c d e f g h i, N.H.]
- Limneria fugitiva* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Patch, Bull. Me. Agr. Exp. Sta., 1906, 134: 224. [fig., biol., host g, Me.]
- Limneria Guignardi* Gibson, Ann. Rpt. Ent. Soc. Ont., 1907, 37: 27. [host g]
- Limnerium fugitivum* Howard and Chittenden, Cir. U. S. Dept. Agr., 1909, 110: 5. [host j]
- Limneria guignardi* Johannsen and Patch, Bull. Me. Agr. Exp. Sta., 1911, 195: 242. [host g, Me.]
- Limnerium fugitivum* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]
- Campoplex (Ameloctonus) fugitivus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host a e i n t]
- Campoplex (Ameloctonus) oedemisiae* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host g, Conn.]

- Ameloctonus fugitivus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Campoplex (Ameloctonus) oedemisiae* (!) Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 330. [fig., biol., host g, Conn.]
- Hyposoter fugitivus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159. [syn.]
- Hyposoter fugitivus* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 164-165. [syn., des., host h]
- Horogenes guignardi* Viereck, Canad. Ent., 1925, 57: 104. [syn.]
- Campoplex (Hyposoter) oedemisiae* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]
- Campoplex (Ameloctonus) guignardi* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]
- Campoplex (Ameloctonus) fugitivus* Viereck, Canad. Ent., 1925, 57: 224. [key]
- Hyposoter fugitivus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Hyposoter fugitivus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Hyposoter fugitivus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host c f g h i k l n p, New England, N.J., N.Y.]
- Hyposoter (Campoplex) fugitivus* Britton, Bull. Conn. Agr. Exp. Sta., 1937, 396: 309. [host g, Conn.]
- Hyposoter fugitivus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host g, Me.]
- Hyposoter fugitivus* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Hyposoter fugitivus* Beaulne, Nat. Canad., 1939, 66: 95. [host c, Que.]
- Hyposoter fugitivus* Beaulne, Canad. Ent., 1939, 71: 120. [host c g i, Que.]

PHYCITIDAE: a, *Ephestia kuehniella*; b, *Mineola indiginella*. LASIOCAMPIDAE: c, *Malacosoma americanum*; d, *Malacosoma californicum*; e, *Malacosoma disstria*. NOTODONTIDAE: f, *Datana ministra*; g, *Schizura concinna*. ARCTIIDAE: h, *Euchaetias egle*; i, *Hyphantria cunea*. CITHERONIIDAE: j, *Anisota rubicunda*; k, *Anisota senatoria*; l, *Anisota stigma*; m, *Anisota virginensis*. SATURNIIDAE: n, *Automeris io*; o, *Hemileuca maia*; p, *Hemileuca lucina* or *maia*. HESPERIIDAE: q, *Pholisora catullus*. NYMPHALIDAE: r, *Asterocampa celtis*; s, *Asterocampa clyton*; t, *Vanessa cardui*.

Parasites. ICHNEUMONIDAE: a, *Gelis tenellus*; b, *Iseropus coelebs*; c, *Itopectis conquisitor*; d, *Theronia atalantae*. CHALCIDIDAE: e, *Dibrachys cavus*; f, *Elasmus varius*; g, *Habrocytus thyridopterigis*; h, *Perilampus hyalinus*; i, *Pleurotropis tarsalis*; j, *Pteromalus puparium*.

***Hyposoter fugitivus pacificus* Cushman**

Limneria fugitiva Harrington, Canad. Ent., 1897, 29: 45. [B.C.] Misdetermined.

Hyposoter fugitivus var. *pacificus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 119. ♂, ♀. [o.d., host a c, Takoma, Wash. (U.S.N.M.), Calif.]

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Hyposoter fugitivus var. *pacificus* Essig, Insects of Western N. Amer., 1926, p. 791, 792. [fig., host *a c d*, B.C., Calif.]

Hyposoter fugitivus var. *pacificus* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *b*, Ut.]

Hyposoter fugitivus pacificus Swain, Ent. News, 1937, 48: 246, 247. [host *e*, parasite *a b*, Colo.]

Hyposoter fugitivus var. *pacificus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *f*, Ut.]

LASIOCAMPIDAE: *a*, *Malacosoma ambisimile*; *b*, *Malacosoma disstria*; *c*, *Malacosoma pluviale*. NOTODONTIDAE: *d*, *Schizura concinna*. ARCTIIDAE: *e*, *Hyphantria cunea*. Miscellaneous: *f*, tent caterpillar.

Parasites. CHALCIDIDAE: *a*, *Dibrachys cavus*; *b*, *Perilampus hyalinus*.

***Hyposoter fuscitarsus* (Viereck) new combination**

Campoplex (*Ameloctonus*) *fuscitarsus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 279. ♀. [des., Ottawa, Ont. (C.N.C.)]

***Hyposoter galvestonensis* (Viereck) new combination**

Amorphota galvestonensis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 219. ♀. [o.d., Galveston, Tex. (Univ. Kans.)]

Campoplex (*Ameloctonus*) *galvestonensis* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

***Hyposoter grahami* (Viereck) new combination**

Campoplex (*Holocreminus*) *grahami* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 182. ♀. [des., Queen's Park, Aylmer, Que. (C.N.C.)]

***Hyposoter luctus* (Davis) new combination**

Canidia luctus Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]

Canidiella lucta Dalla Torre, Cat. Hymen., 1901, 3: 110. [syn.]

Zachrestoides intermedia Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 3. ♂. [des., Bernard Harbor, N.W. Terr. (C.N.C.)] New synonymy.

Campoplex (*Bathyleptes*) *lucta* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 223. [syn.]

***Hyposoter nigrolineatus* (Viereck) new combination**

Hypothereutes nigrolineatus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *c*, Springer, N.M. (U.S.N.M.)]

Hyposoter interjectus Gahan, Proc. U. S. Nat. Mus., 1914, 48: 156. ♀. [o.d., host *b*, Arcola, Miss. (U.S.N.M.), Fla.] New synonymy.

Campoplex (*Hypothereutes*) *nigrolineatus* Viereck, Canad. Ent., 1925, 57: 204. [key]

Hyposoter interjectus Wilson, Fla. Ent., 1932, 16: 39. [host *a*, Fla.]

Hyposoter interjectus Wilson, Fla. Ent., 1933, 17: 3. [des., biol., host *a*, Fla.]

PHALAENIDAE: *a*, *Laphygma exigua*; *b*, *Prodenia ornithogalli*; *c*, *Protoleucania albilinea*.

***Hyposoter noctuae* (Ashmead) new combination**

Limneria noctuae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

Limnerium noctuae Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

Hyposoter diversicolor Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *b*, East River, Conn. (U.S.N.M.)] New synonymy.

Campoplex (*Hyposoter*) *diversicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. ♀. [des.]

Campoplex (*Hyposoter*) *diversicolor* Viereck, Canad. Ent., 1925, 57: 203. [key]

PHALAENIDAE: *a*, phalaenid pupa on *Betula lenta*. Miscellaneous: *b*, larva on hickory.

***Hyposoter occidentali* (Viereck)**

Campoplex (*Hyposoter*) *occidentali* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)]

PTEROPHORIDAE: *a*, *Oidaematophorus occidentalis*.

***Hyposoter ochreofrons* (Cushman) new combination**

Echthronomas ochreofrons Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 12. ♀. [o.d., Veitch, Va. (U.S.N.M.)]

Echthronomas ochreofrons Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

Echthronomas ochreofrons Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

Echthronomas ochreofrons Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

***Hyposoter parorgyiae* (Viereck)**

Limnerium (*Hyposoter*) *parorgyiae* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382. ♂, ♀. [o.d., fig., Mass. (U.S.N.M.)]

Campoplex (*Hyposoter*) *parorgyiae* Viereck, Canad. Ent., 1925, 57: 203. [key]

Hyposoter parorgyiae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a*, Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*.

***Hyposoter pectinatus* (Thomson) new combination**

Anilasta pectinata Thomson, Opusc. Ent., 1887, 11: 1171. ♀. [o.d., Esperödi, Sweden (? Lund Mus.)]

Limneria Deichmanni Nielsen, Meddel. om Grønland, 1907, 29: 386. ♂, ♀. [o.d., biol., host *a*, Hekla Havn, Greenland (? Copenhagen Mus.)]

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- Limneria Deichmanni* Johansen, Meddel. om Grønland, 1910, 43: 44, 46. [biol., host *a*, Greenland]
Limneria Deichmanni Nielsen, Meddel. om Grønland, 1910, 43: 56. [biol., host *a*, Greenland]
Limneria Deichmanni Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]
Astiphromma Deichmanni Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 538. [syn.]
Anilasta pectinata Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des., Europe, Greenland]

LYMANTRIIDAE: *a*, *Byrdia groenlandica*.

Hyposoter pilosulus (Provancher)

- Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂ (only). [des.] Misdetermined.
Limneria pilosula Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♂, ♀. [key, o.d., Ottawa, Ont. (C.N.C.), Que.]
Limneria ephestriae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♂, ♀. [key, o.d., host *a*, Mo. (U.S.N.M.)]
Limnerium ephestiae (!) Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]
Limnerium pilosulum Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]
Amorphota perrivalis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]
Limneria pilosula Nason, Ent. News, 1905, 16: 152. [Ill.]
Amorphota perrivalis Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo., Kans.]
Limnerium pilosulum Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 72, 90–91. [biol., host *d*]
Limnerium pilosulum Hewitt, Rpt. Exp. Farms Canada for 1913–14, 1915, p. 861. [host *d*, N.B.]
Campoplex (Ameloctonus) pilosulus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, Conn.]
Campoplex pilosulus Dustan, Proc. Ent. Soc. N.S., 1921, 6: 81–88. [biol., host *d*]
Campoplex (Ameloctonus) pilosulus Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59–74. [des., fig., biol., host *d*, morphology, N.B., N.S.]
Hyposoter pilosulus Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]
Campoplex (Hypothereutes) clarus Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., "E. Ont." (C.N.C.)] New synonymy.
Campoplex (Ameloctonus) cuneae Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 227. ♀. [des., host *d*, Trenton, Ont. (C.N.C.)] New synonymy.
Campoplex (Ameloctonus) perrivalis Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]
Ameloctonus perrivalis Viereck, Canad. Ent., 1926, 58: 65. [syn.]
Angitia pilosula Viereck, Canad. Ent., 1926, 58: 65. [syn.]

Hyposoter pilosulus Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43, pl. 6, figs. 43, 45, 48, 49, 50. [biol.]

Hyposoter pilosulus Gray, Bull. Ark. Exp. Sta., 1926, 203: 32. [host *d*, Ark.]

Hyposoter pilosulus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Hyposoter pilosulus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

Hyposoter pilosulus Baerg, Bull. Ark. Agr. Exp. Sta., 1928, 224: 23, 24. [fig., biol., host *d*, Ark.]

Hyposoter pilosulus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *b c d*, Conn., Me., Mass., N.H., N.J., N.Y., R.I.]

Hyposoter pilosulus Swain, Jour. Colo.-Wyo. Acad. Sci., 1937, 3, no. 2 & 3: 43. [biol., host *d*, Colo.]

Hyposoter pilosulus Swain, Ent. News, 1937, 48: 246, 247. [host *d*, parasite *a b c d e f*, Colo.]

Hyposoter pilosulus Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]

Hyposoter pilosulus Swain, Green, and Portman, Jour. Kans. Ent. Soc., 1938, 11: 7-9. [biol., host *d*, Colo.]

Hyposoter pilosulus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PHYCITIDAE: *a*, ?*Plodia interpunctella*. ARCTIIDAE: *b*, *Diacrisia virginica*; *c*, *Euchaetias egle*; *d*, *Hyphantria cunea*.

Parasites. ICHNEUMONIDAE: *a*, *Gelis atratus*; *b*, *Gelis tenellus*. CHALCIDIDAE: *c*, *Catolaccus aeneoviridis*; *d*, *Dibrachys cavus*; *e*, *Hypopteromalus percursus*; *f*, *Perilampus hyalinus*.

***Hyposoter planata* (Viereck) new combination**

Campoplex (Diadegma) planata Viereck, Canad. Ent., 1925, 57: 229. [o.d. in key, (Keremeos, B.C.) (C.N.C.)]

Campoplex (Ecphora) planata Viereck, Canad. Ent., 1926, 58: 281. ♀. [des., B.C.]

***Hyposoter plesius* (Viereck)**

Campoplex (Hyposoter) plesius Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 201. ♀. [des., Sudbury, Ont. (C.N.C.)]

***Hyposoter popofensis* (Ashmead) new combination**

Ameloctonus popofensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

Campoplex (Ameloctonus) popofensis Viereck, Canad. Ent., 1925, 57: 224. [key]

Campoplex (Diadegma) ruficruris Viereck, Canad. Ent., 1925, 57: 227. [o.d. in ket]; 1926, 58: 280. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.

Ameloctonus popoffensis (!) Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Hyposoter rubiginosus Cushman

Hyposoter rubiginosus Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 11.

♂, ♀. [o.d., host *b*, Stonington, Conn. (U.S.N.M.)]

Campoplex (Hyposoter) rubiginosus Viereck, Canad. Ent., 1925, 57: 203. [key]

Hyposoter rubiginosus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *a b*, Conn., Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*; *b*, *Olene basiflava*.

Hyposoter sarntheinii (Dalla Torre) new combination

Limneria rufa Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Ill.]
Nomen nudum.

Limneria rufa Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. ♀ (not ♂).
[key, o.d., host *a*, St. Louis, Mo. (U.S.N.M.)] Preoccupied by Bridgman, 1882.

Limnerium sarntheinii Dalla Torre, Cat. Hymen., 1901, 3: 104. [new name for
Limneria rufa Ashmead]

Campoplex (Ameloctonus) sarntheini Viereck, Canad. Ent., 1925, 57: 223.
[key]; 1926, 58: 279. [syn.]

GEOMETRIDAE: *a*, *Synchlora aerata*.

Hyposoter synchloae (Ashmead) new combination

Ischnoscopus synchloae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host
a, N.H.]

Ischnoscopus synchloae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♂.
[o.d., host *a*, Canobie Lake, N.H. (U.S.N.M.)]

GEOMETRIDAE: *a*, *Synchlora* sp.

Hyposoter triops (Walley) new combination

Angitia triops Walley, Canad. Ent., 1929, 61: 191. ♂. [key, o.d., St. Thomas,
Ont. (C.N.C.)]

Hyposoter xanthocerus (Viereck) new combination

Ameloctonus xanthocerus Viereck, Psyche, 1921, 28: 70. ♀. [o.d., Great Falls,
Va. (M.C.Z.)]

Campoplex (Ameloctonus) xanthocerus Viereck, Canad. Ent., 1925, 57: 224.
[key]

CAMPOCTONUS Viereck

Campoctonus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Limneria corrupta* Cresson.

Campoctonoides Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Campoctonoides currani* Viereck.

Campoctonus belfragei (Ashmead) new combination

Limneria Belfragei Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♂. [key, o.d., Tex. (U.S.N.M.)]

Limnerium belfragei Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Campoctonus carinatus (Provancher) new combination

Campoplex carinatus Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 365). ♀. [key, o.d., fig., Que. (M.P.Q.)]

Campoplegidea carinata Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. [key]

Campoctonoides beaulnei Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Ft. Coulonge, Que. (C.N.C.), Alta.] New synonymy.

Campoctonoides harringtoni Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

Campoctonus corruptus (Cresson)

Limneria corrupta Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria corrupta Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limnerium corruptum Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

Campoctonus corruptus Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

Campoctonus currani (Viereck) new combination

Campoctonoides currani Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Sebright, Ont. (C.N.C.), Que.]

OLESICAMPE Foerster

Limneria Holmgren, Öfvers. Vet.-Akad. Förh., 1859, 15: 326. Preoccupied by Adams, 1851.

Genotype: *Ichneumon longipes* Müller.

Olesicampe Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Ichneumon fulviventris* Gmelin.

Omoborus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154. New synonymy.

Genotype: *Omoborus kincaidi* Davis.

? *Holocremnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157. New synonymy.

Genotype: *Limneria cothurnata* Holmgren.

Olesicampe Thomson, Opusc. Ent., 1887, 11: 1052, 1139.

Genotype: *Ichneumon longipes* Müller.

? *Holocremna* Thomson, Opusc. Ent., 1887, 11: 1053, 1176.

Genotype: *Limneria cothurnata* Holmgren.

Limnerium Ashmead, Canad. Ent., 1900, 32: 368. [new name for *Limneria* Holmgren]

Zaplatystoma Viereck, Canad. Ent., 1925, 57: 177, 180; 1926, 58: 6. New synonymy.

Genotype: *Zaplatystoma typicum* Viereck.

Olesicampe alaskensis (Ashmead) new combination

Olesicampa alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂.
[o.d., Juneau, Alaska (U.S.N.M.)]

Campoplex (*Holocrepnus*) *alaskensis* Viereck, Canad. Ent., 1925, 57: 203.
[key]; 1926, 58: 196. [syn.]

Olesicampe annulata (Provancher) new combination

Pyracmon annulatum Provancher, Nat. Canad., 1879, 11: 182; (Faune, p. 374).
♀. [key, o.d., Que. (M.P.Q.)]

Tryphon? *annulatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Tryphon annulatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Zaplatystoma annulatum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926,
58: 32. [syn.]

Olesicampe atypica (Viereck) new combination

Pyracmonoides atypicum Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];
57: 300. ♂. [des., Metlakatla, B.C. (C.N.C.)]

Olesicampe banffensis (Viereck) new combination

Campoplex (*Ameloctonus*) *banffensis* Viereck, Canad. Ent., 1925, 57: 224.
[o.d. in key]; 1926, 58: 278. ♀. [des., Banff, Alta. (C.N.C.)]

Campoplex (*Ameloctonus*) *pauxillus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 278. ♀. [des., Transcona, Man. (C.N.C.)] New
synonymy.

Olesicampe barbata (Provancher) new combination

Mesoleptus barbatus Provancher, Addit. Faune Canada, Hymén., 1886. p.
98. ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)]

Mesoleptus barbatus Provancher, Nat. Canad., 1887, 16: 24. [Que.]

Limneria barbatus Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

Limnerium barbatum Dalla Torre, Cat. Hymén., 1901, 3: 91. [syn.]

Campoplex (*Holocrepnus*) *metacometi* Viereck, Bull. Conn. Geol. Nat. Hist.
Surv., 1917, 22: 264. (♀). [o.d., New Haven, Conn. (Conn. Agr. Exp.
Sta.)] New synonymy.

Pyracmon barbatum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.
[syn.]

Zaplatystoma metacometi (!) Viereck, Canad. Ent., 1925, 57: 181. [key]; 1926,
58: 196. [syn.]

Olesicampe beginii (Ashmead)

Prionopoda beginii Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀.
[o.d., Sherbrooke, Que. (U.S.N.M.)]

Prionopoda? *beginii* Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♂. [des.]

Olesicampe beginii Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20.
[syn.]

Olesicampe brachyura (Ashmead) new combination

Limneria brachyura Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♀. [key,
o.d., Mich. (U.S.N.M.)]

Limnerium brachyurum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Olesicampe californica (Cresson) new combination

Limneria californica Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♂.
[o.d., San Diego, Calif. (A.N.S.P.)]

Limnerium californicum Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

Olesicampe cushmani (Viereck) new combination

Campoplex (Ameloctonus) diversus Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 277. ♀. [Sudbury, Ont. (C.N.C.)] Preoccupied by
Norton, 1863.

Campoplex (Ameloctonus) cushmani Viereck, Canad. Ent., 1926, 58: 279. [new
name for *Campoplex (Ameloctonus) diversus* Viereck]

Olesicampe decora (Viereck) new combination

Zaplatystoma decorum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 31. ♀. [des., Hedley, B.C. (C.N.C.)]

Olesicampe delicata (Viereck) new combination

Campoplex (Ameloctonus) delicatus Viereck, Canad. Ent., 1925, 57: 224. [o.d.
in key]; 1926, 58: 278. ♀. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe dentata (Provancher) new combination

Macrus dentatus Provancher, Nat. Canad., 1874, 6: 150. ♀. [o.d., Que.
(M.P.Q.)]

Limneria ruficornis Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key,
o.d., Que. (type lost)]

Limneria dentata Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373). ♀.
[key, syn., des.]

Limneria dentata Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.
[key]

Limnerium dentatum Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

Limneria dentata Nason, Ent. News, 1905, 16: 152. [Ill.]

Olesicampe egregia (Viereck) new combination

Zaplatystoma egregium Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 30. ♀. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe extrema (Holmgren) new combination

Limneria extrema Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6:
98. ♀. [o.d., North Greenland (? Stockholm Mus.)]

Limneria extrema Lundbeck, Vidensk. Medd. Nat. For. København, (1896),
1897, p. 236. [Greenland]

Limneria extrema Strand, Rpt. Second Norwegian Arctic Exped. in the "Fram"
1898-1902, 1905, no. 3: 7. [Greenland]

Holocrema extrema Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des.,
Greenland]

Olesicampe euurae (Ashmead) new combination

Limneria euurae Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂, ♀.
[key, o.d., host *a*, Pariah, Ut. (U.S.N.M.)]

Limnerium euurae Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Campoplex (*Angitia*) *euurae* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,
58: 282. [syn.]

TENTHREDINIDAE: *a*, *Euura* sp. on *Salix* sp.

Olesicampe flavirictus (Cresson) new combination

Mesoleptus flavirictus Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀.
[o.d., Pa. (A.N.S.P.)]

Mesoleptus flavirictus Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

Mesoleptus flavirictus Provancher, Nat. Canad., 1875, 7: 272. [key]

Limneria flaviricta Provancher, Nat. Canad., 1879, 11: 180; (Faune p. 372).
[key, des.]

Limneria flaviricta Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Limneria flaviricta Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.
[key]

Limneria flaviricta Slosson, Ent. News, 1895, 6: 5. [N.H.]

? *Limneria argentifrons* Harrington, Canad. Ent., 1897, 29: 45. [B.C.] ?Mis-
determined.

Limneria flaviricta Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.
[N.J.]

Limnerium flavirictum Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

Limneria flavirista (!) Nason, Ent. News, 1905, 16: 152. [Ill.]

Zaplatystoma cinereum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 7. ♀. [des., Buffalo, N.Y. (C.N.C.)] New synonymy.

Olesicampe fossata (Viereck) new combination

Pyracmon fossatum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 6. ♂. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe johnsoni (Viereck) new combination

Zaplatystoma johnsoni Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 32. ♀. [des., Glen House, N.H. (?M.C.Z.)]

Olesicampe kincaidi (Davis) new combination

Omoborus kincaidi Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂. [o.d., Seattle, Wash. (A.N.S.P.)]

Olesicampe lata (Viereck) new combination

Zaplatystoma latum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 7. ♂. [des., Winnipeg, Man. (C.N.C.)]

Zaplatystoma simplex Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 30. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

Olesicampe lophyri (Riley) new combination

Limneria lophyri Riley, Ann. Rpt. Insects Mo., 1877, 9: 32. ♂, ♀. [o.d., host *a b*, (Valparaiso, Ind.) (U.S.N.M.)]

Limneria lophyri Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

Limneria lophyri Riley and Howard, Insect Life, 1890, 3: 158. [host *b*, Ind.]

Limnerium lophyri Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Campoplex (Holocremonus) lophyri Viereck, Canad. Ent., 1926, 58: 196. [syn.]

Holocremonus lophyri Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]

PHYCITIDAE: *a*, ?*Plodia interpunctella*. DIPRIONIDAE: *b*, *Neodiprion abbotii*.

Olesicampe mimetica (Viereck) new combination

Zaplatystoma mimeticum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 31. ♀. [des., Banff, Alta. (C.N.C.)]

Olesicampe modesta (Brues) new combination

Diocetes modestus Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. ♂, ♀. [o.d., host *a*, Bernard Harbor, N.W. Terr. (C.N.C.)]

Miscellaneous: *a*, galls on *Salix* sp. made by ?sawflies.

Olesicampe nematocida (Viereck) new combination

Campoplex (Ameloctonus) nematocidus Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 258. ♀. [des., host *a*, Hatzic, B.C. (C.N.C.)]

Miscellaneous: *a* sawfly on *Ribes* sp.

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Olesicampe nigradorsis (Viereck) new combination

Campoplex (*Amelotonus*) *nigradorsis* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 277. ♀. [des., Prince Edward Co., Ont. (C.N.C.)]

Olesicampe obscuripes (Viereck) new combination

Limnerium obscuripes Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

Olesicampe ocellata (Viereck) new combination

Zaplatystoma ocellatum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 8. ♂. [des., Ottawa, Ont. (C.N.C.)]

Olesicampe patula (Viereck) new combination

Pyracmon patulum Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♀. [des., Winnipeg, Man. (C.N.C.)]

Olesicampe peraffinis (Ashmead) new combination

Limneria peraffinis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., Tex. (U.S.N.M.)]

Limnerium peraffine Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

Olesicampe petiolata (Viereck) new combination

Zaplatystoma petiolatum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 31. ♂. [des., Sudbury, Ont. (C.N.C.)]

Olesicampe pikonemae Walley

Olesicampe pikonemae Walley, Canad. Ent., 1942, 74: 193. ♂, ♀. [o.d., host *a b*, Queene Co., Que. (C.N.C.), B.C., N.B., Ont.]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

Olesicampe pteronideae (Rohwer)

Homalomma pteronideae Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 219. ♂. [o.d., host *b*, Falls Church, Va. (U.S.N.M.)]

Olesicampe pteronideae Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. [syn.]

Homalomma pteronideae Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23. [host *a*, Va.]

TENTHREDINIDAE: *a*, *Nematus alnivora*; *b*, *Nematus corylus*.

Olesicampe sericea (Provancher) new combination

Limneria sericea Provancher, Nat. Canad., 1875, 7: 148, 149. ♂. [key, o.d., Que. (type lost)]

Limneria sericea Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373).
[key, des.]

Limneria sericea Provancher, Addit. Faune Canada, Hymén., 1886, p. 87.
[key]

Limnerium sericeum Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

Holocreminus flaviclypeus Viereck, Psyche, 1921, 28: 75. ♂. [o.d., Chain
Bridge, Va. (M.C.Z.)] New synonymy.

Pyracmon sericeum Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.
[syn.]

Olesicampe typica (Viereck) new combination

Zaplatystoma typicum Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];
1926, 58: 7. ♂, ♀. [des., Kingsmere, Que. (C.N.C.)]

Olesicampe virginensis (Viereck) new combination

Holocreminus virginensis Viereck, Psyche, 1921, 28: 76. ♀. [o.d., Falls
Church, Va. (M.C.Z.)]

BENJAMINIA Viereck

Benjaminia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Charops fuscipennis* Provancher.

Zachrestoides Viereck, Canad. Ent., 1925, 57: 177, 179; 1926, 58: 2.

Genotype: *Zachrestoides euphydryadis* Viereck.

Benjaminia fuscipennis (Provancher)

Charops fuscipennis Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.

♀. [o.d., host *a*, Los Angeles, Calif. (M.P.Q.)]

Benjaminia fuscipennis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

Benjaminia fuscipennis Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:
16. ♂, ♀. [des., host *a*, Calif., Nev.]

NYMPHALIDAE: *a*, *Euphydryas chalcodon*.

Benjaminia euphydryadis (Viereck)

Zachrestoides euphydryadis Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key];
1926, 58: 3. ♀. [des., host *a*, St. Adele, Que. (C.N.C.)]

Benjaminia euphydryadis Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:
16. [des., host *a*, Mass.]

Benjaminia euphydryadis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,
1934, 188: 152. [biol., host *a b*, Mass.]

NYMPHALIDAE: *a*, *Euphydryas phaëton*; *b*, *Melitaea harrisii*.

CHAROPSIMORPHA Viereck

Charopsimorpha Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635.

Genotype: *Charops tibialis* Cresson.

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Charopsimorpha tibialis (Cresson)

Charops tibialis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Limneria? insolens Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 386. ♂, ♀. [o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

Charops tibialis Riley and Howard, Insect Life, 1890, 3: 155. [host *a*]

Charops apaturae Riley and Howard, Insect Life, 1890, 3: 155. [host *b*, Ill.]
Nomen nudum.

Charops apaturae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [o.d., host *b*, Fairburg, Ill. (U.S.N.M.)]

Limnerium insolvens (!) Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

Charopsimorpha tibialis apaturae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

Charopsimorpha tibialis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

TORTRICIDAE: *a*, ?tortricid. NYMPHALIDAE: *b*, *Asterocampa clyton*.

Subfamily 11. OPHIONINAE

Tribe 2. CREMASTINI

DIMOPHORA Foerster

Dimophora Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: *Dimophora robusta* Brischke.

Demophorus Thomson, Opusc. Ent., 1890, 14: 1457.

Genotype: (*Demophorus arenicola* Thomson) = *robusta* Brischke.

Oligotmema Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280.

Genotype: *Oligotmema prima* Cushman.

Dimophora prima (Cushman) new combination

Oligotmema prima Cushman, Proc. U. S. Nat. Mus., 1920, 58: 281. ♀. [o.d., fig., Colo. (U.S.N.M.)]

Demophorus primus Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22.
♂, ♀. [des., Colo.]

PRISTOMERUS CurtisSubgenus **Pristomerus** Curtis

Pristomerus Curtis, Brit. Ent., 1836, 13: 624.

Genotype: *Ichneumon vulnerator* Panzer.

Pristomeridia Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100.

Genotype: (*Porizon agilis* Cresson) = *euryptychiae* Ashmead.

Pristomerus (Pristomerus) baumhoferi Cushman

Pristomerus sp. Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host *a*, Neb.]

Pristomerus baumhoferi Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 9.

♂, ♀. [o.d., host *a*, Halsey, Neb. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

Pristomerus (Pristomerus) euryptychia Ashmead

Porizon? agilis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] Preoccupied by Holmgren, 1858.

Pristomerus euryptychia Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192.

[o.d., host *d*, D.C. (U.S.N.M.)]

Pristomeridia agilis Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100. [syn.]

Pristomerus euryptychia Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.]

Pristomeridia agilis Brooks, Bull. W.Va. Agr. Exp. Sta., 1910, 126: 116. [W.Va.]

Pristomerus euryptychia Brues, Psyche, 1911, 18: 23. [key, fig.]

Ichneumonidae sp. Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 56. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1915, 160: 109. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1916, 168: 39–40. [biol., host *b*, Mass.]

Pristomeridia agilis Franklin, Bull. Mass. Agr. Exp. Sta., 1917, 180: 229. [biol., host *b*, Mass.]

Pristomerus (Pristomerus) agilis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 278. [key, syn., des., host *a*, Md., Mass., Tex.]

Pristomerus agilis Butler, Jour. Econ. Ent., 1933, 26: 985. [host *e*, Tenn.]

Pristomerus agilis Webb, Jour. Econ. Ent., 1937, 30: 861. [host *c*, Ga.]

Pristomerus agilis Webb and Alden, Jour. Econ. Ent., 1940, 33: 434. [host *c*]

Pristomerus agilis Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

PHYCITIDAE: *a*, *Acrobasis caryivorella*; *b*, *Mineola vaccinii*. OLETHREUTIDAE: *c*, *Carpocapsa pomonella*; *d*, *Epiblema scudderiana*; *e*, *Grapholitha molesta*.

Pristomerus (Pristomerus) laticeps Cushman

Pristomerus (Pristomerus) laticeps Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

Pristomerus (Pristomerus) idei Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Black Rapids, Rideau River, Ont. (C.N.C.)] New synonymy.

Pristomerus (Pristomerus) minutus Cushman

Pristomerus (Pristomerus) minutus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 279. ♀. [key, o.d., Los Angeles Co., Calif. (U.S.N.M.)]

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Pristomerus (Pristomerus) ocellatus Cushman

- Pristomerus (Pristomerus) ocellatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♂, ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.), Kans., Ky., Md., Pa.]
- Pristomerus ocellatus* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]
- Pristomerus ocellatus* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*, Ind., N.J., Ohio, Pa.]
- Pristomerus ocellatus* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]
- Pristomerus ocellatus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]
- Pristomerus ocellatus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *d*, N.J.]
- Pristomerus ocellatus* Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1931, 51: 158. [host *d*, N.J.]
- Pristomerus ocellatus* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 75, 79. [host *d*, Tenn.]
- Pristomerus ocellatus* McConnell, Jour. Econ. Ent., 1932, 25: 268. [host *d*, Md.]
- Pristomerus ocellatus* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [host *d*, N.J.]
- Pristomerus ocellatus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]
- Pristomerus ocellatus* Allen, Jour. Econ. Ent., 1932, 25: 365. [host *d*, Ga.]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 986. [Tenn.]
- Pristomerus ocellatus* Montgomery, Canad. Ent., 1933, 65: 189. [host *c*, Ind.]
- Pristomerus ocellatus* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 52. [host *d*, Ohio]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]
- Pristomerus ocellatus* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]
- Pristomerus ocellatus* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]
- Pristomerus ocellatus* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *d*, Md.]
- Pristomerus ocellatus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *d*, Ont.]
- Pristomerus ocellatus* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 12-41. [fig., biol., host *c d*, Del.]
- Pristomerus oscellatus* (!) Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27. [host *a c d*, Ohio]
- Pristomerus ocellatus* Rice, Jour. Econ. Ent., 1937, 30: 112. [biol., host *c*, Del.]
- Pristomerus ocellatus* Marshall and Musgrave, Canad. Ent., 1937, 69: 102. [host *b*, Ind.]
- Pristomerus ocellatus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]
- Pristomerus ocellatus* Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *d*, Va.]
- Pristomerus ocellatus* Brunson, Jour. Econ. Ent., 1940, 33: 348. [host *d*, N.J.]

Pristomerus ocellatus Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 12, 58. [biol., host *c d*, N.J., Tenn.]

Pristomerus ocellatus Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*, Del.]

OLETHREUTIDAE: a, *Ancylys complana*; b, *Epiblema otiosana*; c, *Epiblema strenuana*; d, *Grapholitha molesta*.

***Pristomerus* (*Pristomerus*) *olamonus* Viereck**

Pristomerus aciculatus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.] Nomen nudum.

Pristomerus olamonus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274. ♀. [o.d., Rockville, Conn. (Conn. Agr. Exp. Sta.)]

Pristomerus (*Pristomerus*) *fuscipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. ♂, ♀. [key, o.d., Onaga, Kans. (U.S.N.M.), D.C., N.Y.] New synonymy.

Pristomerus (*Pristomerus*) *olamonus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 276. [key, des.]

Pristomeridea fuscipennis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Pristomerus fuscipennis Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Subgenus ***Neopristomerus* Viereck**

Neopristomerus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592.

Genotype: *Pristomerus appalachianus* Viereck.

***Pristomerus* (*Neopristomerus*) *appalachianus* Viereck**

Pristomerus appalachianus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 298. ♂, ♀. [o.d., Norton Co., Kans., 3200 ft. and Sedgwick Co. near Wichita, Kans. (Univ. Kans.)]

Pristomerus appalachianus var. *dorsocastaneus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

Pristomerus texanus Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 36. [host *b*] Nomen nudum.

Pristomerus appalachianus Brues, Psyche, 1911, 18: 23. [key]

Neopristomerus appalachianus Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

Neopristomerus appalachianus var. *dorsocastaneus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 593. [host *c*]

Pristomerus (*Neopristomerus*) *appalachianus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280. [key, syn., host *a b c d*, Kans., La., N.M., Okla., Tex.]

Neopristomerus appalachianus var. *dorsocastaneus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.]

Neopristomerus appalachianus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139.
[host *b c d*, Tex.]

Neopristomerus appalachianus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928,
34: 65. [biol., host *c*, Tex.]

Neopristomerus appalachianus Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138:
39. [biol., host *b c*, Tex.]

Neopristomerus appalachianus dorsocastaneus Johnson, Pub. Nantucket Maria
Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Neopristomerus dorsocastaneus Knowlton and Harmston, Proc. Ut. Acad. Sci.
Arts Letters, 1939, 16: 62. [Ut.]

Pristomerus appalachianus var. *dorsocastaneus* Knowlton and Harmston, Proc.
Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PYRAUSTIDAE: a, *Loxostege* sp. PHALAENIDAE: b, *Laphygma exigua*; c, *Laphygma*
frugiperda; d, *Prodenia* sp.

***Pristomerus* (*Neopristomerus*) *coloradensis* Brues**

Pristomerus coloradensis Brues, Psyche, 1911, 18: 23. ♀. [key, o.d., fig.,
Florissant, Colo. (Brues Coll.)]

Pristomerus (*Neopristomerus*) *coloradensis* Cushman, Proc. U. S. Nat. Mus.,
1920, 58: 274. [key]

***Pristomerus* (*Neopristomerus*) *melleus* Cushman**

Pristomerus (*Neopristomerus*) *melleus* Cushman, Proc. U. S. Nat. Mus., 1920,
58: 279. ♂, ♀. [key, o.d., host *a b*, Washington, D.C. (U.S.N.M.), N.C.,
S.C.]

Pristomerus Bollowi Enderlein, Ent. Ztschr., 1921, 82: 9. ♂. [o.d., "New
York" (Stettin Mus.)] New synonymy.

GELECHIIDAE: a, "*Gelechia*" sp. PHYCITIDAE: b, *Elasmopalpus lignosellus*.

***Pristomerus* (*Neopristomerus*) *pacificus* Cresson**

Pristomerus pacificus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀.
[o.d., Calif. (A.N.S.P.)]

Pristomerus pacificus Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Pristomerus pacificus Brues, Psyche, 1911, 18: 23. [key, fig.]

Pristomerus (*Neopristomerus*) *pacificus* Cushman, Proc. U. S. Nat. Mus., 1920,
58: 274. [key]

***Pristomerus* (*Neopristomerus*) *woodworthi* (Viereck) new combination**

Neopristomerus woodworthi Viereck, Ent. News, 1921, 32: 172. ♂, ♀. [o.d.,
Berkeley, Calif. (Calif. Acad. Sci.)]

ZALEPTOPYGUS Viereck

Zaleptopygus Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294.

Genotype: (*Zaleptopygus oberea* Viereck) = *orbis* Davis.

Neocremastus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 504, 509. New synonymy.

Genotype: *Porizon stigmaterus* Cresson.

Zaleptopygus aciculatus (Davis)

Cremastus aciculatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂. [o.d., Mich. (A.N.S.P.)]

Cremastus aciculatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

Cremastus (Zaleptopygus) aciculatus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

Zaleptopygus albipennis (Cresson)

Porizon albipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d., Colo. (A.N.S.P.)]

Porizon albipennis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

Cremastus (Zaleptopygus) albipennis Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

Zaleptopygus anomalus (Cushman)

Cremastus (Zaleptopygus) anomalus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 542. ♀. [key, o.d., Colo. (U.S.N.M.)]

Zaleptopygus audax (Cresson)

Porizon audax Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂. [o.d., Tex. (A.N.S.P.)]

Cremastus audax Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 338. [des.]

Cremastus (Zaleptopygus) audax Cushman, Proc. U. S. Nat. Mus., 1917, 53: 543. ♂. [key, des.]

Zaleptopygus bilineatus (Cushman)

Cremastus (Zaleptopygus) bilineatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 545. ♂, ♀. [key, o.d., Clementon, N.J. (U.S.N.M.)]

Zaleptopygus brunneipennis (Walley)

Cremastus (Zaleptopygus) brunneipennis Walley, Canad. Ent., 1933, 65: 253. ♂, ♀. [o.d., Chatham, Ont. (C.N.C.)]

Zaleptopygus californicus (Provancher) new combination

Porizon Californicum Provancher, Addit. Faune Canada, Hymén., 1888, p. 364.

♂. [o.d., host *a*, Los Angeles, Calif. (M.P.Q.)]

TINEIDAE: *a*, tineid.

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Zaleptopygus champlaini (Cushman)

Cremastus (*Zaleptopygus*) *champlaini* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22. ♂, ♀. [o.d., host *a*, Rockville, Pa. (U.S.N.M.)]

CERAMBYCIDAE: *a*, *Elaphidion* sp.

Zaleptopygus cleridivorus (Cushman)

Cremastus (*Zaleptopygus*) *cleridivorus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 534. ♀. [key, o.d., host *a*, Kanawha Station, W.Va. (U.S.N.M.), Kans., N.C.]

Zaleptopygus cleridivorus Brimley, Insects of N.C., 1938, p. 416. [N.C.]

CLERIDAE: *a*, *Enoclerus quadriguttatus*.

Zaleptopygus delicatus (Cresson)

Porizon? *delicatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

Cremastus delicatus Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Cremastus (*Zaleptopygus*) *delicatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂. [key, des.]

Porizon delicatus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Zaleptopygus dorcaschetae (Cushman)

Cremastus (*Zaleptopygus*) *dorcaschetae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 287. ♂, ♀. [o.d., host *a*, ?Syracuse, N.Y. (U.S.N.M.)]

Cremastus dorcaschetae Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 182. [biol., host *a*, N.Y.]

CERAMBYCIDAE: *a*, *Dorcascheta nigrum*.

Zaleptopygus egregiacolor (Viereck) new combination

Thersilochus egregiacolor Viereck, Trans. Kans. Acad. Sci., 1905, 19: 302. ♀. [o.d., Morton Co., Kans., 3200 ft. (Univ. Kans.)]

Cremastus (*Zaleptopygus*) *terebratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 539. ♀. [key, o.d., Boulder, Colo. (U.S.N.M.)] New synonymy.

Zaleptopygus flavo-orbitalis (Cameron) new combination

Tarytia flavo-orbitalis Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17, no. 3: 589. ♀. [o.d., Dusa, India (?British Mus.)]

Cremastus flavoorbitalis Cushman, Proc. Ent. Soc. Wash., 1933, 35: 73. [key, syn., des., Australian and Oriental regions, Hawaii, Japan]

Cremastus flavoorbitalis Bradley and Burgess, Tech. Bull. U. S. Dept. Agr., 1934, 441: 1-15. [des., fig., biol., host *a b*, Hawaii, Mass., Ohio, Orient, R.I.]

Cremastus flavo-orbitalis Peck, Canad. Jour. Res., 1937, D, 15: 245-247. [fig. ♂ genitalia]

Cremastus flavoorbitalis Baker and Bradley, Jour. Econ. Ent., 1938, 31: 346.
[host *a*, Mass., Va.]

Cremastus flavoorbitalis Jones, Walker, and Anderson, Bull. Va. Truck Exp. Sta.,
1939, 102: 1645. [host *a*, Va.]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*. Miscellaneous: *b*, many exotic Lepidoptera.

***Zaleptopygus fuscipennis* (Cresson)**

Porizon fuscipennis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d.,
Colo. (A.N.S.P.)]

Cremastus (Zaleptopygus) fuscipennis Cushman, Proc. U. S. Nat. Mus., 1917,
53: 543. [key, Kans.]

***Zaleptopygus gallaecola* (Cushman)**

Cremastus (Zaleptopygus) gallaecola Cushman, Proc. U. S. Nat. Mus., 1917,
53: 546. ♂, ♀. [key, o.d., host *a*, East Falls Church, Va. (U.S.N.M.)]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*.

***Zaleptopygus granulatus* (Davis)**

Cremastus granulatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀.
[o.d., Agricultural College, Mich. (A.N.S.P.)]

Cremastus granulatus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

Cremastus (Zaleptopygus) granulatus Cushman, Proc. U. S. Nat. Mus., 1920,
58: 284. [des., type designation]

***Zaleptopygus hartii* (Ashmead)**

Cremastus hartii Ashmead, Bull. Ill. Lab. Nat. Hist., 1895, 4: 271, 277. ♂, ♀.
[o.d., fig., Quiver Lake, Havana, Ill. (Ill. Nat. Hist. Surv.)]

Cremastus hartii Nason, Ent. News, 1905, 16: 168. [Ill.]

Cremastus hartii Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

Cremastus hartii Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

Cremastus (Zaleptopygus) hartii, Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
1928, 101: 958. [N.Y.]

Cremastus (Zaleptopygus) hartii Cushman, Proc. U. S. Nat. Mus., 1930, 76,
art. 25: 11. ♂, ♀. [des.]

***Zaleptopygus hyalinipennis* (Cresson)**

Porizon hyalinipennis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀.
[o.d., Bosque Co., Tex. (A.N.S.P.)]

Porizon hyalinipennis Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Cremastus hyalinipennis Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339.
[Tex.]

Cremastus (Zaleptopygus) hyalinipennis Cushman, Proc. U. S. Nat. Mus., 1917,
53: 546. [key]

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Zaleptopygus incompletus (Provancher)

- Mesoleptus incompletus* Provancher, Nat. Canad., 1875, 7: 270, 272. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
Atractodes fusiformis Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key, o.d., Que. (M.P.Q.)]
Cremastus fusiformis Provancher, Nat. Canad., 1879, 11: 184; (Faune p. 376). ♀. [key, syn., des.]
Cremastus fusiformis Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788). [key]
Cremastus (Zaleptopygus) incompletus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 540. [key, syn., des.]
Cremastus (Zaleptopygus) incompletus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
Zaleptopygus incompletus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
Cremastus incompletus Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 249, 250. [fig. ♂ genitalia]
Zaleptopygus incompletus Brimley, Insects of N.C., 1938, p. 416. [N.C.]

Zaleptopygus latithorax (Cushman)

- Cremastus (Zaleptopygus) latithorax* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 286. ♀. [o.d., Sabinal, Tex. (U.S.N.M.)]

Zaleptopygus mellipes (Provancher) new combination

- Atractodes mellipes* Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key, o.d., Que. (M.P.Q.)]
Cremastus mellipes Provancher, Nat. Canad., 1879, 11: 185; (Faune p. 377). ♀. [key, des.]
Cremastus mellipes Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788). [key]
Cremastus mellipes Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich., Mo.]
Limneria mellipes Davis, Proc. Acad. Sci. Phila., 1894, p. 188. [syn.]
Limnerium mellipes Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]
Proclitus mellipes Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]
Cremastus mellipes Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
Proclitus mellipes Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]
 OECOPHORIDAE: *a*, *Agonopteryx pulvipenella*.

Zaleptopygus mordellistenae (Cushman)

- Cremastus mordellistenae* Baker, Ent. News, 1895, 6: 29. [host *b*, Colo.]
 Nomen nudum.
Cremastus (Zaleptopygus) mordellistenae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 539. ♂, ♀. [key, o.d., host *b*, Colo. (U.S.N.M.)]

Zaleptopygus mordellistena Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104.
[host *a*, Man.]

Cremastus (Zaleptopygus) mordellistena Cushman, Proc. U. S. Nat. Mus., 1927,
72, art. 13: 20. [des., host *c*]

MORDELLIDAE: *a*, *Mordellistena aemula*; *b*, *Mordellistena morula*; *c*, *Mordellistena* sp.

***Zaleptopygus nemoralis* (Davis)**

Cremastus nemoralis Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.
[o.d., Mich. (A.N.S.P.)]

Cremastus nemoralis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

Cremastus (Zaleptopygus) nemoralis Cushman, Proc. U. S. Nat. Mus., 1920, 58:
284. [des.]

***Zaleptopygus nigriclypealis* (Cushman)**

Cremastus (Zaleptopygus) nigriclypealis Cushman, Proc. U. S. Nat. Mus., 1917,
53: 543. ♀. [key, o.d., Las Cruces, N.M. (U.S.N.M.)]

***Zaleptopygus obesus* (Cushman)**

Cremastus (Zaleptopygus) obesus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 285.
♀. [o.d., Hyattsville, Md. (U.S.N.M.)]

***Zaleptopygus orbitalis* (Cresson)**

Porizon orbitalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]

Zaleptopygus orbitalis Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294. [des.]

Cremastus orbitalis Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Cremastus (Zaleptopygus) orbitalis Cushman, Proc. U. S. Nat. Mus., 1917, 53:
548. [key, des.]

***Zaleptopygus orbus* (Davis)**

Leptopygus orbus Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀. [o.d.,
Mich. (A.N.S.P.), Pa.]

Leptopygas(!) orbus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583.
[“N.J. district”]

Zaleptopygus oberea Viereck, Proc. U. S. Nat. Mus., 1911, 41: 295. ♂, ♀.
[o.d., host *a*, Chicago, Ill. (U.S.N.M.)] New synonymy.

Cremastus (Zaleptopygus) oberea Cushman, Proc. U. S. Nat. Mus., 1917, 53:
548. [key, des.]

Leptopygus orbus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

Cremastus (Zaleptopygus) orbus Cushman, Proc. U. S. Nat. Mus., 1920, 58: 284.
[des.]

CERAMBYCIDAE: *a*, *Oberea tripunctata*.

Zaleptopygus plesius (Cushman)

Cremastus (*Zaleptopygus*) *plesius* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., ?Mich. (U.S.N.M.)]

Zaleptopygus quintilis (Viereck) new combination

Thersilochus mimeticus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 300. ♀. [o.d., Sedgwick Co., near Wichita, Kans. (Univ. Kans.)] New synonymy.
Thersilochus quintilis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)]

Zaleptopygus retiniae (Cresson)

Cremastus retiniae Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 238. ♂. [o.d., host c, Ithaca, N.Y. (U.S.N.M.)]
Cremastus retiniae Riley and Howard, Insect Life, 1890, 3: 156. [host a b, Mo., N.Y.]
Cremastus retiniae Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 40. [host d, Ohio]
Cremastus (!) *retiniae* (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
Temelucha websteri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.] Nomen nudum.
Temelucha retiniae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J., N.Y.]
Cremastus retiniae Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [syn.]
Cremastus (!) *retiniae* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
Cremastus retiniae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277. [key]
Cremastus (*Zaleptopygus*) *retiniae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. [key, des., D.C., Md., Va.]
Cremastus retiniae Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
Cremastus (*Zaleptopygus*) *retiniae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

GELECHIIDAE: a, *Frumenta mundinella*. OLETHREUTIDAE: b, *Petrova comstockiana*; c, *Rhyacionia rigidana*. CRAMBIDAE: d, ?*Crambus* sp.

Zaleptopygus rohweri (Cushman)

Cremastus (*Zaleptopygus*) *rohweri* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 541. ♀. [key, o.d., Mount Union, Pa. (U.S.N.M.)]

Zaleptopygus rosae (Cushman)

Cremastus (*Zaleptopygus*) *rosae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 536. ♀. [key, o.d., Vienna, Va. (U.S.N.M.)]

Zaleptopygus rostratus (Cushman)

Cremastus (Zaleptopygus) rostratus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532. ♀. [key, o.d., New York, N.Y. (U.S.N.M.)]

Zaleptopygus similis (Cushman)

Cremastus (Zaleptopygus) similis Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., Collins, Ida. (U.S.N.M.)]

Zaleptopygus similis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

Zaleptopygus snowi (Viereck) new combination

Thersilochus snowi Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Zaleptopygus stigmaterus (Cresson) new combination

Porizon stigmaterus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Cremastus stigmaterus Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

Neocremastus stigmaterus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 509. [des.]

Zaleptopygus tetralophae (Cushman)

Cremastus (Zaleptopygus) tetralophae Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂, ♀. [key, o.d., host *a*, Monticello, Fla. (U.S.N.M.)]

Cremastus tetralophae Brimley, Insects of N.C., 1938, p. 416. [N.C.]

EPIPASCHIIDAE: *a*, *Tetralopha subcanalis*.

Zaleptopygus vierecki (Cockerell)

Porizon vierecki Cockerell, Ann. Mag. Nat. Hist., 1903, (7), 12: 200. ♂. [o.d., Arroya 10 miles west of La Luz, N.M. (U.S.N.M.)]

Porizon vierecki Cockerell, Canad. Ent., 1905, 37: 362. [des.]

Cremastus (Zaleptopygus) viereckii Cushman, Proc. U. S. Nat. Mus., 1917, 53: 544. [key, des.]

PSEUDERIPTERNUS Viereck

Pseuderipternus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269.
Genotype: *Podogaster radiolatus* Provancher.

Pseuderipternus brevicauda Cushman

Pseuderipternus brevicauda Cushman, Proc. U. S. Nat. Mus., 1917, 53: 506. ♂, ♀. [key, o.d., Hanover, N.H. (U.S.N.M.), Canada]

Pseuderipternus elongatus (Davis)

Ateleuti (!) *elongatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Atlantic City, N.J. (A.N.S.P.)]

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- Ateleute elongatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 585. [N.J.]
- Eripternus elongatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]
- Pseuderipternus gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 507. ♂, ♀. [key, o.d., Mass. (U.S.N.M.), N.J.]
- Pseuderipternus gracilipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Pseuderipternus elongatus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 372. [syn.]

***Pseuderipternus radiolatus* (Provancher)**

- Podogaster radiolatus* Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]
- Podogaster radiolatus* Provancher, Nat. Canad., 1879, 11: 183; (Faune p. 375). ♀. [des., Que.]
- Limneria radiolata* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [des.]
- Eripternus primus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.] Nomen nudum.
- Podogaster radiolata* Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]
- Pseuderipternus radiolatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [key, des., Conn., Mass., N.H., N.Y.]
- Casinaria (Pseuderipternus) radiolata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. ♀. [key, des., Conn.]
- Pseuderipternus radiolatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Casinaria radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Pseuderipternus radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

DOLICHOPSELEPHUS Ashmead

- Dolichopselephus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23.
Genotype: *Dolichopselephus cockerelli* Ashmead.

***Dolichopselephus cockerelli* Ashmead**

- Dolichopselephus Cockerelli* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♀. [o.d., Smith's Park, Colo. (U.S.N.M.)]
- Dolichopselephus cockerelli* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [des.]
- Dolichopselephus cockerelli* Walley, Canad. Ent., 1941, 73: 170. [Sask.]

CREMASTUS Gravenhorst

Cremastus Gravenhorst, Ichneum. Europeae, 1829, 3: 370.

Genotype: *Cremastus spectator* Gravenhorst.

Temelucha Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Temelucha plutellae* Ashmead.

Neleothis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

New synonymy.

Genotype: *Neleothis*? *rufo-ornatus* Cameron. By present designation.

Paurolexis Cameron, Jour. Bombay Nat. Hist. Soc., 1906, 17: 282.

Genotype: *Paurolexis flavus* Cameron.

Tarytia Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17: 588.

Genotype: *Tarytia basimacula* Cameron.

Cremastidea Viereck, Proc. U. S. Nat. Mus., 1912, 13: 587.

Genotype: *Cremastidea chinensis* Viereck.

Cremastus attenuatus Cushman

Cremastus (*Zaleptopygus*) *attenuatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

286. ♂, ♀. [o.d., Victoria, Tex. (U.S.N.M.)]

Cremastus brevicauda Cushman

Cremastus (*Cremastus*) *brevicauda* Cushman, Proc. U. S. Nat. Mus., 1917, 53:

528. ♂, ♀. [key, o.d., Bernadillo Co., N.M. (U.S.N.M.)]

Cremastus brevinervis Cushman

Cremastus (*Cremastus*) *brevinervis* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

282. ♀. [o.d., Globe, Ariz. (U.S.N.M.)]

Cremastus brevipetiolus Cushman

Cremastus (*Cremastus*) *brevipetiolus* Cushman, Proc. U. S. Nat. Mus., 1917, 53:

525. ♂, ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.)]

Cremastus brunneiceps Cushman

Cremastus (*Cremastus*) *brunneiceps* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

283. ♀. [o.d., Washington, D.C. (U.S.N.M.)]

Cremastus carpocapsae Cushman

Cremastus carpocapsae Cushman, Proc. U. S. Nat. Mus., 1930, 76: 11. ♂, ♀.

[o.d., host a, Lawrence Co., Ohio (U.S.N.M.)]

Cremastus carpocapsae Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26.

[host b, Ohio]

OLETHREUTIDAE: a, *Carpocapsa pomonella*; b, *Grapholitha molesta*.

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Cremastus chilonis Cushman

Cremastus chilonis Cushman, Jour. Wash. Acad. Sci., 1935, 25: 562. ♂, ♀.
[o.d., host *a*, Douglas Lake, Cheboygan Co., Mich. (U.S.N.M.)]

Cremastus chilonis Frohne, Trans. Amer. Micros. Soc., 1939, 58: 233, 325, 347.
[biol., host *a b*, Mich.]

CRAMBIDAE: *a*, *Chilo forbesellus*, *b*, *Occidentalia comptulatalis*.

Cremastus cookii Weed

Cremastus cookii Weed, Ent. Amer., 1888, 4: 150. ♂, ♀. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.), Mich.]

Cremastus cookii var. *rufus* Weed, Ent. Amer., 1888, 4: 151. ♂. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.

Cremastus cookii Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich.]

Temelucha cookii Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[host *a*]

Cremastus cooki Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [host *a*, N.J.]

Cremastus (*Cremastus*) *cookii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.
[key, des., Ky., Mich., N.J.]

Cremastus cooki Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277.
[key]

Cremastus cookii Fink, Jour. Agr. Res., 1932, 44: 555, 556. [biol., host *a*, N.J.]

Cremastus cookii Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 29-42.
[fig., biol., host *a*, Del.]

Cremastus cookii Knowlton, Jour. Econ. Ent., 1937, 30: 379-380. [host *b*, Ut.]

Cremastus cookii Neiswander, Jour. Econ. Ent., 1938, 31: 383. [host *a*, Ohio]

Cremastus cookii Summerland, Trans. Kans. Acad. Sci., 1938, 40: 165. [biol., host *a*, Kans.]

Cremastus cookii Parker and Lamerson, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 109. [host *a*, Kans.]

Cremastus cookii Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *a*, Ut.]

OLETHREUTIDAE: *a*, *Ancylis comptana*; *b*, *Ancylis comptana fragariae*.

Cremastus decoratus Gravenhorst

Cremastus decoratus Gravenhorst, Ichneum. Europeae, 1829, 3: 734. ♂, ♀.
[o.d., "circa Genuam, in Tauria et Regione Pedemontana," (Italy) (?Breslau Mus.)]

Cremastus (*Cremastus*) *decoratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. [key, syn., des., host *a*, N.Y.]

Cremastus (*Cremastus*) *decoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *a*, N.Y.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

Cremastus epagoges Cushman

- Cremastus* (*Cremastus*) *epagoges* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 531.
♂, ♀. [key, o.d., host *c*, Nashville, Tenn. (U.S.N.M.)]
- Cremastus epagoges* Dickerson and Weiss, Jour. N.Y. Ent. Soc., 1920, 28: 44.
[host *a*, N.J.]
- Cremastus epagoges* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923,
189: 47. [biol., host *d*, Ark.]
- Cremastus epagoges* Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host *c* g]
- Cremastus epagoges* Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331.
[host *h*, Neb.]
- Cremastus epagoges* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 22-41.
[biol., host *e* f, Del.]
- Cremastus epagoges* Putman, Canad. Ent., 1935, 67: 107. [host *e*, Ont.]
- Cremastus epagoges* Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host *b*,
Minn.]
- Cremastus epagoges* Rice, Jour. Econ. Ent., 1937, 30: 108-115. [biol., host *e*,
Del.]
- Cremastus epagoges* Putman, Canad. Ent., 1938, 70: 90. [host *e*, Ont.]
- Cremastus epagoges* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *f*,
Del.]

MOMPHIDAE: *a*, *Cyphophora eloisella*. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*,
Sparganothis sulfureana. OLETHREUTIDAE: *d*, *Carpocapsa pomonella*; *e*, *Epiblema*
strenuana; *f*, *Grapholitha molesta*; *g*, *Rhyacionia frustrana*; *h*, *Rhyacionia frustrana*
bushnelli.

Cremastus evetriae Cushman

- Cremastus* (*Cremastus*) *evetriae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.
♀. [key, o.d., host *a*, Fort Bayard, N.M. (U.S.N.M.)]
- Cremastus evetriae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,
1939, 16: 61. [Ut.]
- OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

Cremastus facilis (Cresson)

- Porizon facilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]
- Porizon macer* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d.,
Bosque Co., Tex. (A.N.S.P.)]
- Temelucha fascialis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[N.J.]
- Temelucha macer* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.
[N.J.]
- Porizon facilis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 221. [des., Tex.]
- Temelucha* (*Porizon*) *macer* Chittenden and Marsh, Bull. U. S. Dept. Agr. Bur.
Ent., 1912, 109: 31. [host *c*]
- MEM. AMER. ENT. SOC., 11 pt. 2.

- Cremastus facialis* (!) Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]
Cremastus macer Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]
Cremastus (*Cremastus*) *facilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 527.
 [key, syn., des., Ala., D.C., Ia., Kans., N.C., N.M., Ohio, Pa., Tex., Va.]
Zemelucha (!) (*Porizon*) *fascialis* (!) Chittenden, Jour. Econ. Ent., 1918, 11: 456.
 [host e]
Cremastus facilis Ainslie, Jour. Agr. Res., 1921, 20: 843. [host d]
Cremastus facilis Franklin, Bull. Mass. Agr. Exp. Sta., 1921, 206: 159. [biol.,
 host b, Mass.]
Porizon macer Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
Cremastus facilis Bottimer, Jour. Agr. Res., 1926, 33: 808. [host a, Tex.]
Cremastus (*Cremastus*) *facilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,
 1928, 101: 958. [N.Y.]

GELECHIIDAE: a, *Isophrictis similiella*. CRAMBIDAE: b, *Crambus topiarius*. PY-
 RAUSTIDAE: c, *Hellula undalis*; d, *Pyrausta ainsliei*; e, *Pyrausta penitalis*.

***Cremastus ferrugineus* Davis**

- Cremastus ferrugineus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.
 [o.d., Algonquin, Ill. (A.N.S.P.)]
Atrometus angitioides Viereck, Trans. Kans. Acad. Sci., 1905, 19: 311. ♀.
 [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.
Cremastus (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 520. [key, des.] Misdetermined, according to Cushman 1920.
Cremastus (*Cremastus*) *graciliventr*is Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 522. ♀. [key, o.d., Washington, D.C. (U.S.N.M.), Fla., Ill., Ohio, Pa.,
 Va.] New synonymy.
Cremastus (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1920, 58:
 282. [des.]
Cremastus (*Cremastus*) *graciliventr*is Bradley, Bull. Lloyd Libr., 1926, 27: 172.
 [N.Y.]
Cremastus (*Cremastus*) *graciliventr*is Cushman, Mem. Cornell Univ. Agr. Exp.
 Sta., 1928, 101: 958. [N.Y.]
*Cremastus graciliventr*is Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,
 3, no. 2: 106. [Mass.]
*Cremastus graciliventr*is Cartwright, Bull. S.C. Exp. Sta., 1934, 294: 27. [host a,
 S.C.]
Cremastus ferrugineus Brimley, Insects of N.C., 1938, p. 416. [N.C.]

CRAMBIDAE: a, *Diatraea crambidoides*.

***Cremastus flaviceps* Cushman**

- Cremastus* (*Cremastus*) *flaviceps* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
 521. ♂, ♀. [key, o.d., host a, Grand Junction, Colo. (U.S.N.M.), Tex.]
 COCCIDAE: a, *Pulvinaria bigeloviae*.

Cremastus forbesi Weed

Cremastus forbesi Weed, Bull. Ill., State Lab. Nat. Hist., 1887, 3: 42. ♀.
[o.d., host *e*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)]

Temelucha forbesii Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Cremastus (*Cremastus*) *forbesii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532.
[key, des., host *b c g i*, Colo., Conn., Mich., N.J.]

Cremastus forbesii Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *c*, Mich.]

Cremastus forbesii Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *d*, Pa.]

Cremastus forbesii Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *h*, N.J.]

Cremastus forbesii Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Cremastus (*Cremastus*) *forbesii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *b c d*, N.Y.]

Cremastus forbesii Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

Cremastus forbesii Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *h*, Ohio]

Cremastus forbesii Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *h*, N.J.]

Cremastus forbesii Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *h*, N.J.]

Cremastus forbesii Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17.
[host *h*, N.Y.]

Cremastus forbesii Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67. [host *h*, Ont.]

Cremastus forbesii Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *h*, Mich.]

Cremastus forbesii Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.
[host *h*, Ont.]

Cremastus forbesii Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 16-35.
[biol., host *h*, Del.]

Cremastus forbesii Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *h*, Ohio]

Cremastus forbesii Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 418. [host *a*]

Cremastus forbesii Putman, Canad. Ent., 1938, 70: 90. [host *f*, Ont.]

Cremastus forbesii Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *h*, Del.]

Cremastus forbesii Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *h*, Mo.]

COLEOPHORIDAE: *a*, *Coleophora salmani*. GELECHIIDAE: *b*, *Aroga trialbamaculella*; *c*, *Filatima persicaeella*. TORTRICIDAE: *d*, *Argyrotaenia velutinana*; *e*, *Peronea minuta*. OLETHREUTIDAE: *f*, *Epiblema strenuana*; *g*, *Episimus argutatus*; *h*, *Grapholitha molesta*; *i*, *Rhobopota naevana*.

Cremastus gracilipes Cushman

Cremastus (*Cremastus*) *gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 520. ♀. [key, o.d., host *c*, East Marsh, D.C. (U.S.N.M.)]

Cremastus gracilipes Champlain, Psyche, 1922, 29: 97. [host *c*, Pa.]

Cremastus gracilipes Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 10. ♂, ♀. [des., host *b c*, N.J., Pa., Tex.]

Cremastus gracilipes Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 35. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*; *b*, *Grapholitha molesta*. PYRAUSTIDAE: *c*, *Dicymolomia julianalis*.

Cremastus gracilis Cushman

Cremastus (*Cremastus*) *gracilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 519.

♀. [key, o.d., Lexington, Ky. (U.S.N.M.)]

Cremastus grapholithae Cushman

Cremastus grapholithae Cushman, Jour. Wash. Acad. Sci., 1935, 25: 561. ♂, ♀. [o.d., host *a*, Harriman, Tenn. (U.S.N.M.)]

Cremastus grapholithae Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *a*, Va.]

Cremastus grapholithae Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

Cremastus hamiltonensis (Viereck) new combination

Thersilochus hamiltonensis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

Cremastus interruptor Gravenhorst

Cremastus interruptor Gravenhorst, Ichneum. Europeae, 1829, 3: 736. ♂, ♀. ["circa Norimbergam et circa Sickershausen," (Germany) (?Breslau Mus.)]

Cremastus interruptor Wier, Rpt. Minister Agr. Canada for 1932, 1932, p. 178. [Ont.]

Cremastus interruptor Sheppard, Ann. Rpt. Ent. Soc. Ont., 1933, 63: 61. [host *a*, Ont.]

Cremastus interruptor Dowden and Berry, Jour. Econ. Ent., 1938, 31: 459. [host *a*, Conn., N.J., N.Y.]

Cremastus interruptor Friend, Plumb, and Hicock, Jour. Econ. Ent., 1938, 31: 511. [host *a*, Conn.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

Cremastus longigenalis Cushman

Temelucha scutellata Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

- Cremastus (Cremastus) longigenalis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 516. ♀. [key, o.d., Mt. Washington, N.H., 5000-5500 ft. (U.S.N.M.)]
Cremastus longigenalis Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. [syn.]

***Cremastus minor* Cushman**

- Cremastus (Cremastus) minor* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 521. ♂, ♀. [key, o.d., host *a b c e*, N.J. (U.S.N.M.), D.C., Ill., Kans., Mich., Pa.]
Cremastus minor Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]
Cremastus minor Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *d*, Ont.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [host *d*, Ont.]
Cremastus minor Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*]
Cremastus minor Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]
Cremastus minor Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]
Cremastus minor Haeussler, Jour. Agr. Res., 1930, 41: 371, 372. [host *d*, N.J.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *d*, Ont.]
Cremastus minor Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 79. [host *d*, Tenn.]
Cremastus minor Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68, 69. [host *d*, Ont.]
Cremastus minor Merritt, Jour. Econ. Ent., 1933, 26: 789-791. [host *d*, Mich.]
Cremastus minor Montgomery, Canad. Ent., 1933, 65: 189, 190. [host *c*, Ind.]
Cremastus minor Merritt, Quart. Bull. Mich. Agr. Exp. Sta., 1933, 15: 225. [biol., host *d*, Mich.]
Cremastus minor Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 53. [host *d*, Ohio]
Cremastus minor Merritt, Midwest Fruitman Aug.-Sept., 1933, p. 8. [biol., host *d*, Mich.]
Cremastus minor Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]
Cremastus minor Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]
Cremastus minor Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]
Cremastus minor Putman, Canad. Ent., 1935, 67: 47-48. [host *c d*, Ont.]
Cremastus minor Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71. [host *d*, Ont.]

Cremastus minor Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 14-41.
[fig., biol., host *c d*, Del.]

Cremastus minor Putman, Canad. Ent., 1935, 67: 107. [host *c*, Ont.]

Cremastus minor Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27.
[host *c d*, Ohio]

Cremastus minor Peck, Canad. Jour. Res., 1937, D, 15: 245-247, 249, 250.
[fig. ♂ genitalia]

Cremastus minor Rice, Jour. Econ. Ent., 1937, 30: 112, 114. [biol., host *c*, Del.]

Cremastus minor Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:
72. [biol., host *d*, Ont.]

Cremastus minor Reinhard, Bull. Tex. Agr. Exp. Sta., 1938, 559: 31. [host *f*,
Tex.]

Cremastus minor Putman, Canad. Ent., 1938, 70: 90. [host *c*, Ont.]

Cremastus minor Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*,
Del.]

Cremastus minor Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *d*, Mo.]

GELECHIIDAE: a, "*Gelechia*" sp., b, *Gnorimoschema axenopis*. OLETHREUTIDAE:
c, *Epiblema strenuana*; *d*, *Grapholitha molesta*; *e*, *Rhobopota naevana*. NOLIDAE: *f*,
Celama sorghiella.

***Cremastus platynotae* Cushman**

Cremastus (*Cremastus*) *platynotae* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
526. ♂, ♀. [key, o.d., host *a*, Tempe, Ariz. (U.S.N.M.)]

TORTRICIDAE: a, *Platynota flavedana*.

***Cremastus protractus* Cushman**

Cremastus protractus Cushman, Jour. Wash. Acad. Sci., 1935, 25: 563. ♀.
[o.d., host *a*, Pullman, Wash. (U.S.N.M.)]

COLEOPHORIDAE: a, *Coleophora* sp. on *Aster eastoni*.

***Cremastus pterophori* Cushman**

Cremastus pterophori Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 13.
♂, ♀. [o.d., host *a*, Dane Co., Wis. (U.S.N.M.)]

PTEROPHORIDAE: a, *Oidaematophorus lacteodactylus*.

***Cremastus rectus* Provancher**

Cremastus rectus Provancher, Nat. Canad., 1874, 6: 175. ♀. [o.d., Que.
(M.P.Q.)]

Cremastus rectus Provancher, Nat. Canad., 1879, 11: 184; (Faune, p. 376). ♀.
[key, des., Que.]

Cremastus rectus Provancher, Nat. Canad., 1882, 13: 366; (Faune, p. 788).
[key]

Cremastus (*Cremastus*) *longiventris* Cushman, Proc. U. S. Nat. Mus., 1917, 53:
517. ♀. [key, o.d., Vienna, Va. (U.S.N.M.), Mass.] New synonymy.

- Cremastus rectus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]
Cremastus rectus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
Cremastus longiventris Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Cremastus rhyacioniae* Cushman**

- Cremastus rhyacioniae* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 12.
 ♂, ♀. [o.d., host *a*, *Pactola*, S.D. (U.S.N.M.)]
 OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

***Cremastus ruficeps* Cushman**

- Cremastus* (*Cremastus*) *ruficeps* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 518.
 ♀. [key, o.d., Milwaukee, Wis. (U.S.N.M.)]

***Cremastus sinuatus* Cushman**

- Cremastus* (*Cremastus*) *sinuatus* Cushman, Proc. U. S. Nat. Mus., 1926, 67; art. 23: 12. ♂, ♀. [o.d., host *a b*, Coachella Valley, Calif. (U.S.N.M.)]
 PHYCITIDAE: *a*, *Cactobrosis strigalis*; *b*, *Rumatha glaucatella*.

***Cremastus tortricidis* Cushman**

- Cremastus* (*Cremastus*) *tortricidis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. ♀. [key, o.d., host *a*, Nashville, Tenn. (U.S.N.M.)]
Cremastus tortricidis Eddy and Nettles, Jour. Econ. Ent., 1931, 24: 861. [host *b*, S.C.]
Cremastus tortricidis Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]
Cremastus tortricidis Butler, Jour. Econ. Ent., 1933, 26: 985. [host *b*, Tenn.]
Cremastus tortricidis Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]
Cremastus tortricidis Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *b*, Ohio]
Cremastus tortricidis Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 73. [host *b*, Ont.]
 TORTRICIDAE: *a*, *Sparganothis sulfureana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

AREOLOPRISTOMERUS Cushman

- Areolopristomerus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274.
 Genotype: (*Pristomerus* (*Areolopristomerus*) *smithi* Cushman) = *dubius* Brues.

***Areolopristomerus dubius* (Brues)**

- Pristomeridia?* *dubia* Brues, Psyche, 1911, 18: 24. ♀. [key, o.d., fig., Blue Hills, near Boston, Mass. (Brues Coll.)]
Pristomerus (*Areolopristomerus*) *smithi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274. ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.)] New synonymy.
Pristomerus (*Areolopristomerus*) *dubia* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. [key, des.]

EIPHOSOMA Cresson

Eiphosoma Cresson, Proc. Ent. Soc. Phila., 1865, 4: 52.

Genotype: *Eiphosoma annulatum* Cresson.

Xiphosoma Marshall, Ann. Ent. Soc. France, 1892, 61: 65. Emendation of *Eiphosoma* Cresson.

Brachixiphosoma Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. New synonymy.

Genotype: *Eiphosoma pyralidis* Ashmead.

Eiphosoma bruesi Cushman

Eiphosoma (*Eiphosoma*) *bruesi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 272.

♀. [key, o.d., Granger, Tex. (U.S.N.M.)]

Eiphosoma bruesi Hamlin, Pan-Pacific Ent., 1926, 2: 100. [host *a*, Tex.]

PYRAUSTIDAE: *a*, *Mimorista flavidissimalis*.

Eiphosoma pyralidis Ashmead

Eiphosoma pyralidis Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mo.] Nomen nudum.

Eiphosoma pyralidis Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 191. ♂. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

Eiphosoma pyralidis Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. [des., Kans.]

Eiphosoma pyralidis Brues, Psyche, 1911, 18: 21. [key]

Brachixiphosoma pyralidis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. [syn.]

Eiphosoma pyralidis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 54. [key, des., Mo., "Theresopolis"]

Brachixiphosoma pyralidis Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [Mich., N.Y.]

Eiphosoma (*Brachixiphosoma*) *pyralidis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des.]

Eiphosoma (*Brachixiphosoma*) *pyralidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

Eiphosoma pyralidis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRALIDIDAE: *a*, pyralidid on *Solidago* sp.

Eiphosoma septentrionale Brues

Eiphosoma septentrionale Brues, Psyche, 1911, 18: 22. ♀. [key, o.d., fig., Castle Rock, Pa. (Brues Coll.)]

Eiphosoma septentrionale Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [key]

Eiphosoma (*Eiphosoma*) *septentrionale* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des., Ala., D.C., Md.]

Eiphosoma septentrionale Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 8.
[des.]

Eiphosoma septentrionalis Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Eiphosoma texanum* Cresson**

Eiphosoma texana Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,
Comal Co., Tex. (A.N.S.P.)]

Eiphosoma texana Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Eiphosoma texana Nason, Ent. News, 1905, 16: 168. [Ill.]

Eiphosoma texanum Brues, Psyche, 1911, 18: 22. [key]

Eiphosoma texana Hunter, Pratt, and Mitchell, Bull. U. S. Dept. Agr., Bur.
Ent., 1912, 113: 22. [host a]

Eiphosoma texana Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 53. [key, des.,
Brazil, Mexico, Trinidad]

Eiphosoma (Eiphosoma) texanum Cushman, Proc. U. S. Nat. Mus., 1920, 58:
271. [key, des.]

Eiphosoma texanum Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRAUSTIDAE: a, *Mimorista flavidissimalis*.

Subfamily 11. OPHIONINAE

Tribe 3. TERSILOCHINI

LEPTOPYGUS Foerster

Leptopygus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Ichneumon harpurus* Schrank.

***Leptopygus angularis* (Provancher) new combination**

Cremastus angularis Provancher, Nat. Canad., 1874, 6: 176. ♂. [o.d., Que.
(M.P.Q.)]

Mesoleptus micans Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d.,
Que. (M.P.Q.)] New synonymy.

Mesoleptus micans Provancher, Nat. Canad., 1875, 7: 272. [key]

Porizon angulare Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378).
♂. [key, des., fig.]

Thersilochus micans Provancher, Nat. Canad., 1879, 11: 207; (Faune, p. 379).
♀. [des.]

Thersilochus micans Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.
[key]

Porizon elongatum Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.
♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

Atractodes politus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂, ♀. [o.d.,
Lee's Cabin, Colo. (U.S.N.M.)] New synonymy.

Porizon? micans Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

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- Porizon angulare* Davis, Canad. Ent., 1895, 27: 289. [syn.] In part.
Porizon angularis Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.
Porizon elongatus Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.]
Atractodes politus Slosson, Ent. News, 1902, 13: 320. [N.H.]
Porizon canaliculatus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♂. [o.d., Beulah, N.M. (U.S.N.M.)] New synonymy.
Thersilochus micans Nason, Ent. News, 1905, 16: 168. [Ill.]
Porizon canaliculatus Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]
Leptopygus politus Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
Leptopygus politus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Leptopygus borealis (Provancher) new combination

- Porizon borealis* Provancher, Nat. Canad., 1877, 9: 14. ♂. [o.d., Que. (M.P.Q.)]
 ?*Porizon boreale* Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Que. (type lost)] New synonymy.
Porizon rugosum Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.
Porizon borealis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.
Leptopygus monticola Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.
Gonolochus rugosum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]
Porizon angularis Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.
Leptopygus rugosus Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

CRATOPHION Thomson

- Cratophion* Thomson, Opusc. Ent., 1899, 13: 1363.
 Genotype: *Porizon gravipes* Gravenhorst.

Cratophion errabundus (Provancher) new combination

- Thersilochus errabundus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]
Notopygus americana Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)] New synonymy.
Porizon borealis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.
Porizon angulare Davis, Canad. Ent., 1895, 25: 289. [syn.] In part.
Porizon americana Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]
Cratophion americana Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

BARYCNEMIS Foerster

Barycnemis Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: *Porizon claviventris* Gravenhorst.

Zasternaulax Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. New synonymy.

Genotype: *Zasternaulax simplicicornis* Viereck.

Barycnemis claviventris (Gravenhorst)

Porizon claviventris Gravenhorst, Ichneum. Europeae, 1829, 3: 755. ♀. [o.d., "circa Hercynia, Berolinum, et Warmbrunn." (Germany) (?Breslau Mus.)]

Porizon (Barycnemis) claviventris Thomson, Opusc. Ent., 1889, 13: 1364. ♂, ♀. [des., northern and central Europe]

Barycnemis slossonae Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

Porizon (Barycnemis) laeviceps Roman, Archiv für Zoologi, 1916, 10, no. 22: 12. ♀. [des., Greenland] Misdeternined.

Barycnemis slossonae Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 8. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

Porizon (Barycnemis) claviventris Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 288. [syn., Greenland]

Barycnemis linearis Ashmead

Barycnemis linearis Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 238. ♀. [o.d., Ottawa, Ont. (U.S.N.M.)]

Barycnemis simplicicornis (Viereck) new combination

Zasternaulax simplicicornis Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. ♂. [o.d., host *a*, Columbia Falls, Mont. (U.S.N.M.)]

CURCULIONIDAE: *a*, *Pissodes* sp.

TERSILOCHUS Holmgren

Tersilochus Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 329.

Genotype: (*Porizon iocator* Gravenhorst) = *jocator* Fabricius.

Thersilochus Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 135. Emendation of *Tersilochus* Holmgren.

Tersilochus alaskensis (Ashmead) new combination

Isurgus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

Tersilochus conotracheli (Riley)

Porizon conotracheli Riley, Ann. Rpt. Insects Mo., 1871, 3: 28. ♂, ♀. [o.d., fig., host *b*, N.J. (U.S.N.M.)]

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- Thersilochus conotracheli* Riley and Howard, Rpt. U. S. Dept. Agr. for 1888, 1889, p. 64. [biol., host *b*]
- Thersilochus conotracheli* Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, N.J.]
- Porizon conotracheli* Riley, Insect Life, 1893, 6: 132. [Mo.]
- Thersilochus conotracheli* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.]
- Thersilochus conotracheli* Johnson and Girault, Cir. U. S. Dept. Agr., 1906, 73: 6. [host *b*, N.Y.]
- Thersilochus conotracheli* Quaintance and Jenne, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 103: 147. [fig., biol., host *b*, Conn., Ill., Kans., Mo., N.Y.]
- Thersilochus conotracheli* Cushman, Jour. Agr. Res., 1916, 6: 847-855, Pl. 109. [des., fig., biol., host *b*, Pa.]
- Porizon conotracheli* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. [des., Conn.]
- Thersilochus conotracheli* Brooks, Bull. U. S. Dept. Agr., 1922, 1066: 11. [host *c*, W.Va.]
- Thersilochus conotracheli* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]
- Thersilochus conotracheli* Brooks and Cotton, Jour. Agr. Res., 1924, 28: 385. [host *a*, W.Va.]
- Thersilochus conotracheli* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, Pl. 3; figs. 10, 14, 15, 17, 18 [biol.]
- Thersilochus conotracheli* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Thersilochus conotracheli* Dozier, Williams, and Butler, Bull. Univ. Del. Agr. Exp. Sta., 1932, 175: 38-39. [biol., host *b*, Del.]
- CURCULIONIDAE: *a*, *Conotrachelus anaglypticus*; *b*, *Conotrachelus nenuphar*; *c*, *Conotrachelus relentus*.

***Tersilochus deficiens* (Provancher) new combination**

- Stilpnus deficiens* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]
- Thersilochus deficiens* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Thersilochus deficiens* Davis, Canad. Ent., 1895, 27: 287. [des.]

HETEROCOLA Foerster

- Heterocola* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande. 1868, 25: 148.
Genotype: *Thersilochus proboscidalis* Thomson.

***Heterocola americana* Brues**

- Heterocola americana* Brues, Ent. News, 1916, 27: 331. ♀. [o.d., Forest Hills, Boston, Mass. (Brues Coll.)]

Heterocola americana Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Tersilochini of Uncertain Genus

The following species are near *Tersilochus* but on account of the elongate gastrocoeli can not be referred to this genus. Without time and material to evaluate the various genera of this group that are used by European authors, I shall not attempt generic placements.

***Aneucelis erythrostomus* Cameron**

Aneucelis? *erythrostomus* Cameron, Invert. Pacifica, 1903, 1: 131. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

***Thersilochus maturus* Provancher**

Thersilochus maturus Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Hull, Que. (M.P.Q.)]

***Thersilochus montanus* Ashmead**

Thersilochus montanus Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂. [o.d., Cimmaron, Colo. (U.S.N.M.)]

Thersilochus montanus Nason, Ent. News, 1905, 16: 168. [Ill.]

***Thersilochus provancheri* Ashmead**

Thersilochus pallipes Provancher, Nat. Canad., 1882, 13: 367; (Faune, p. 789). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1858.

Thersilochus pallipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. [key]

Thersilochus provancheri Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. [new name for *Thersilochus pallipes* Provancher]

Thersilochus provancheri Slosson, Ent. News, 1900, 11: 320. [N.H.]

Porizon provancheri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [syn., N.Y.]

Thersilochus pallipes Nason, Ent. News, 1905, 16: 168. [Ill.]

Thersilochus provancheri Nason, Ent. News, 1905, 16: 168. [Ill.]

Thersilochus provancheri Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [new name for *Thersilochus pallipes* Provancher]

Thersilochus provancheri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Thersilochus provancheri Cushman, Proc. U. S. Nat. Mus., 1929, 76, art. 25: 14. [syn.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 1. ANOMALINA

ANOMALON Panzer

Anomalon Panzer, Fauna Ins. German., 1804, heft 94, plate 15.

Genotype: *Anomalon cruentatus* Panzer.

Trachynotus Gravenhorst, Ichneum. Europeae, 1829, 3: 713. Preoccupied by Latreille, April, 1829.

Genotype: *Ophion foliator* Fabricius.

Ochlerus Gistel, Naturg. Thierr., 1848, p. XI New name for *Trachynotus* Gravenhorst. Preoccupied by Spinola, 1837.

Nototrachys Marshall, Trans. Ent. Soc. London, 1872, p. 259. New name for *Trachynotus* Gravenhorst.

Anomalon californicum (Cresson) new combination

Nototrachys californicus Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

Nototrachys californicus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]

Anomalon ejuncidum Say

Anomalon ejuncidum Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed., 2: 697). ♀. [o.d., United States (type destroyed)]

Trachynotus fuscatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 50. ♂, ♀. [Cuba (A.N.S.P.)] New synonymy.

Trachynotus texanus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Trachynotus Canadensis Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 353). ♀. [o.d., Que. (M.P.Q.)]

Nototrachys canadensis Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

Nototrachys ejuncidus Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

Nototrachys texanus Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]

Nototrachys jucundus (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Nototrachys ejuncidus Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.Y.]

Anomalon ejuncidum Dalla Torre, Cat. Hymen., 1901, 3: 164. [syn.]

Nototrachys texanus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]

Nototrachys ejuncidus Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]

- Nototrachys ejuncidus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]
Nototrachys texanus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 71. [key, des.]
Anomalon ejuncidus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 156. [syn., des.]
Nototrachys texanus Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
Anomalon ejuncidum Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
Anomalon ejurcidum (!) Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]
Anomalon ejuncidum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
Anomalon ejuncidum Brimley, Insects of N.C., 1938, p. 414. [N.C.]
Anomalon ejuncidum Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

Anomalon reticulatum (Cresson) new combination

- Trachynotus reticulatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂. [o.d., Colo. (A.N.S.P.)]
Nototrachys reticulatus Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]
Nototrachys reticulatus Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]
Nototrachys reticulatus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]
Nototrachys reticulatus Viereck, Trans. Amer. Ent. Soc., 1905, 32: 225. [Ariz.]
Nototrachys reticulatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 72. [key, syn., des.]

NEOGREENEIA Viereck

Neogreeneia Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641.

Genotype: *Neogreeneia picticornis* Viereck.

Neogreeneia picticornis Viereck

- Neogreeneia picticornis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641. ♀. [o.d., Roxborough, Pa. (U.S.N.M.)]
Neogreeneia picticornis Viereck, Proc. Biol. Soc. Wash., 1916, 29: 169. [des., Md., N.C., Va.]
Neogreeneia picticornis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]
Neogreeneia (!) *picticornis* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 2. OPHIONELLINA

OPHIONELLUS Westwood

Pharsalia Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. Preoccupied by Thomson, 1864.

Genotype: *Pharsalia texana* Cresson.

Ophionellus Westwood, Thes. Ent. Oxon., 1874, p. 128, plate 24, fig. 3. New synonymy.

Genotype: *Ophionellus fragilis* Westwood.

Hymenopharsalia Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 97. New name for *Pharsalia* Cresson.

Parophionellus Brues and Richardson, Bull. Amer. Mus. Nat. Hist., 1913, 32: 495. [new name for *Pharsalia* Cresson]

Ophionellus bridwelli (Cushman) new combination

Hymenopharsalia Bridwelli Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 19. ♀. [key, o.d., Great Falls, Va. (U.S.N.M.)]

Ophionellus foutsii (Cushman) new combination

Hymenopharsalia foutsii Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. ♀. [key, o.d., Glen Echo, Md. (U.S.N.M.)]

Ophionellus texanus (Cresson) new combination

Pharsalia texana Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Hymenopharsalia texana Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 98. [key, Mexico, Tex.]

Hymenopharsalia texana Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. [key, des., Kans., N.M., Tex.]

Pharsalis (!) *texana* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

Ophionellus virginienensis (Cresson) new combination

Pharsalia virginienensis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. - ♀ (not ♂). [o.d., W.Va. (A.N.S.P.)]

Hymenopharsalia virginienensis Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 99. [key, des., Brazil, Mexico, Panama] In part.

Hymenopharsalia virginienensis Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. [key, des., Va.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 3. OPHIOPTERINA

OPHIOPTERUS Brullé

Ophiopterus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 153.

Genotype: *Ophiopterus coarctatus* Brullé.

Ophiopterus cincticornis (Cresson) new combination

Trachynotus cincticornis Cresson, Proc. Ent. Soc. Phila., 1865, 4: 49. ♂, ♀.
[o.d., Cuba (A.N.S.P.)]

Ophiopterus ferrugineus Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 380. ♀.
[o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

Nototrachys? annulicornis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♀.
[o.d., Tex. (U.S.N.M.)] New synonymy.

Ophiopterus ferrugineus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 94. [key,
des., Ill., Mexico, Tex.]

Ophionopterus (!) *ferrugineus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 66.
[syn., des.]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 4. APHANISTINA

TRICHOMMA Wesmael

Trichomma Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 137.

Genotype: *Anomalon* (*Trichomma*) *fulvidens* Wesmael.

Trichomma granitellae Viereck

Trichomma granitellae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♂.
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)]

Trichomma epischniae Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♀.
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)] New synonymy.

PHYCITIDAE: *a*, *Epischnia granitella*.

Trichomma maceratum (Cresson)

Anomalon maceratum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂.
[o.d., Calif. (A.N.S.P.)]

Trichomma maceratum Flanders, Mo. Bull. Dept. Agr. Calif., 1930, 19: 418.
[host *a*, Calif.]

PHYCITIDAE: *a*, *Etiella zinckenella*.

MEM. AMER. ENT. SOC., 11 pt. 2.

Trichomma reticulatum Davis

- Trichomma reticulata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]
Trichomma reticulatum Dalla Torre, Cat. Hymen., 1901, 3: 174. [syn.]
Trichomma reticulata Krieger, Ztschr. Hymen. Dipt., 1904, 4: 171. [key]
Trichomma reticulata Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 65. [key, des.]
Trichomma reticulata Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]

APHANISTES Foerster

- Aphanistes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.
 Genotype: *Anomalon bellicosum* Wesmael.

Aphanistes hyalinis (Norton)

- Anomalon hyaline* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., Farmington, Conn. (Yale Univ.)]
Anomalon nigro-rufus Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., N.Y. (Yale Univ.)] New synonymy.
Anomalon hyaline Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]
Anomalon hyaline Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 357). [key, des., Que.]
Anomalon hyaline Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]
Anomalon nigro-rufum Provancher, Addit. Faune Canada, Hymén., 1886, p. 81. ♂, ♀. [key, des., Que.]
Anomalon nigrorufum Slosson, Ent. News, 1895, 6: 317. [N.H.]
Anomalon basilicon Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.
Anomalon edemae Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂, ♀. [o.d., host c, Mich. (A.N.S.P.)] New synonymy.
Anomalon nigro-rufum Nason, Ent. News, 1905, 16: 151. [Ill.]
Anomalon hyaline Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]
Anomalon nigrorufum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 88. ♂, ♀. [key, des.]
Erigorgus hyalinus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]
Therion hyaline Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Paranomalon basilicon Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Aphanistes hyalinus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Paranomalon nigrorufum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host a, N.Y.]

- Paranomalon hyalinum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion hyaline* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Paranomalon hyalinum* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Aphanistes hyalinus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *d*, Mass., R.I.]
- Aphanistes nigrorufus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *b e*, N.J., Vt.]
- Therion hyaline* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Paranomalon edemae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- NOTODONTIDAE: a, *Datana contracta*; b, *Schizura concinna*; c, *Symmerista albifrons*.
 PHALAEINIDAE: d, *Phosphila turbulenta*. ARCTIIDAE: e, *Halisidota caryae*.

***Aphanistes puparum* (Ashmead) new combination**

- Agyrpon puparum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]
- PHALAEINIDAE: a, phalaenid.

ERIGORGUS Foerster

Anomalon of authors, not of Schrank.

- Camposcopus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.
 New synonymy.

Genotype: *Camposcopus acclerivora* Rohwer.

- Erigorgus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.

Genotype: *Anomalon (Erigorgus) carinatum* Brischke.

- Sympratis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.
 New synonymy.

Genotype: *Erigorgus ferrugineus* Norton. Included by Viereck, Bull. Conn. Geol. Nat. Hist. Surv. 1917, 22: 285.

- Barylypa* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.
 Genotype: *Anomalon (Barylypa) genalis* Thomson.

***Erigorgus acclerivorus* (Rohwer) new combination**

- Camposcopus acclerivora* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.
 [o.d., host *a*, Charter Oak, Pa. (U.S.N.M.)]

- Camposcopus acclerivorus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 419.
 [host *b*, Me.]

TORTRICIDAE: a, *Peronea* sp. on *Castanea dentata*. PHYCITIDAE: b, *Acrobasis comp-toniella*.

Erigorgus alaskensis (Ashmead) new combination

Atrometus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. ♂, ♀.
[o.d., Alaska (U.S.N.M.)]

Erigorgus ambiguus (Norton)

Anomalon ambiguus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,
Mass. (Yale Univ.)]

Anomalon ambiguum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Anomalon ambiguum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon ambiguum Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19:
45. [biol., host a]

Anomalon ambiguum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Paranomalon ambiguum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 954. [N.Y.]

Erigorgus ambiguus? Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

ARCTIIDAE: a, *Hyphantria cunea*.

Erigorgus cerinops (Gravenhorst) new combination

Anomalon cerinops Gravenhorst, Ichneum. Europeae, 1829, 3: 658. ♂, ♀.
[o.d., numerous localities in Europe (?Breslau Mus.)]

Ophion (*Anomalon*) *pubescens* Zetterstedt, Ins. Lapp., 1840, p. 393. ♂. [o.d.,
Lapland, Sweden (?Copenhagen Mus.)]

Anomalon pubescens Lundbeck, Vidensk. Medd. Nat. For. København, (1896),
1897, p. 235. [des., Greenland]

Erigorgus curtus (Norton)

Anomalon curtus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♂. [o.d.,
Del., Me. (Yale Univ.)]

Anomalon curtum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Anomalon curtum Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon curtum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon curtum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[N.J.]

Anomalon curtum Howard, The Insect Book, 1902, plate 10, fig. 28.

Anomalon curtum Nason, Ent. News, 1905, 16: 151. [Ill.]

Anomalon curtum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 84. [key]

Erigorgus curtus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]

Paranomalon curtum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
954. [N.Y.]

Erigorgus edwardsii (Cresson) new combination

Anomalon Edwardsii Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀.
[o.d., Vancouver Is., B.C. (A.N.S.P.)]

Paranomalon edwardsii Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Erigorgus elongatus (Davis) new combination

Anomalon elongatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂, ♀. [o.d., Brookings, S.D. (A.N.S.P.), N.H.]

Anomalon bipartitana Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂. [o.d., Mich. (A.N.S.P.)] New synonymy.

Anomalon bipartitanum Dalla Torre, Cat. Hymen., 1901, 3: 163. [syn.]

Labrorychus elongatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a*, Me.]

ARCTIIDAE: *a*, *Halisidota maculata*.

Erigorgus eureka (Ashmead) new combination

Anomalon? eureka Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Placer Co., Calif. (U.S.N.M.)]

Papanomalon (!) *eureka* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

Erigorgus ferrugineus (Norton)

Anomalon ferrugineus Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♀. [o.d., Chicago, Ill. (Yale Univ.)]

Anomalon ferrugineum Dalla Torre, Cat. Hymen., 1901, 3: 165. [syn.]

Anomalon ferrugineum Nason, Ent. News, 1905, 16: 151. [Ill.]

Anomalon ferrugineum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus (*Sympraxis*) *ferrugineus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285. [key, des., Conn.]

Paranomalon ferrugineum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Erigorgus fuliginosus (Davis) new combination

Anomalon fuliginosa Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mich. (A.N.S.P.)]

Anomalon fuliginosum Dalla Torre, Cat. Hymen., 1910, 3: 166. [syn.]

Erigorgus luteopectus (Norton)

Anomalon luteo-pectus Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Farmington, Conn. (Yale Univ.)]

Anomalon luteopectum Dalla Torre, Cat. Hymen., 1901, 3: 167. [syn.]

Anomalon luteopectum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus luteopectum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

Erigorgus magniceps (Cresson) new combination

Anomalon magniceps Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♀.
[o.d., Dallas Co., Tex. (A.N.S.P.)]

Erigorgus paeneferrugineus (Viereck) new combination

Anomalon paeneferrugineum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310.
♀. [o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)]

Erigorgus propinquus (Cresson) new combination

Anomalon propinquum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. ♂.
[o.d., Colo. (A.N.S.P.)]

Paranomalon propinquum Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41.
[host a]

Paranomalon propinquum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.
[Ia.]

PHALAEINIDAE: a, *Feltia ducens*.

Erigorgus provancheri (Dalla Torre) new combination

Anomalon unicolor Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.
♀. [key, o.d., Becancour, Que. (M.P.Q.)] Preoccupied by Ratzeburg,
1874.

Anomalon provancheri Dalla Torre, Cat. Hymen., 1901, 3: 169. [new name for
Anomalon unicolor Provancher]

Anomalon unicolor Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

Erigorgus rotundus (Davis) new combination

Anomalon rotundus Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂. [o.d.,
Lawrence, Kans. (A.N.S.P.)]

Anomalon rotundum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.]

Erigorgus rufulus (Provancher)

Anomalon rufulum Provancher, Addit. Faune Canada, Hymén., 1886, p. 80.
♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

Anomalon rufulum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Anomalon rufulum Davis, Canad. Ent., 1895, 27: 289. [syn.]

Anomalon rufulum Slosson, Ent. News, 1895, 5: 4. [N.H.]

Anomalon rufulum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

Anomalon rufulum Nason, Ent. News, 1905, 16: 151. [Ill.]

Erigorgus (*Agrypon*) *rufulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 284. [key, Conn.]

Erigorgus semirufus (Norton)

Anomalon semi-rufus Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,
Albany, N.Y. (Yale Univ.)]

- Anomalon semirufum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.
♀. [key, des., Ont.]
- Anomalon semirufum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[N.J.]
- Anomalon semirufum* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 243. [des.,
Wyo.]
- Anomalon semirufum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]
- Erigorgus semirufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]
- Paranomalon semirufus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133.
[Me.]
- Paranomalon semirufum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
101: 954. [N.Y.]
- Paranomalon semirufum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.
[Ia.]

Erigorgus smithii (Davis) new combination

- Anomalon smithii* Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂. [o.d.,
New Brunswick, N.J. (A.N.S.P.)]

Erigorgus surburbis (Davis) new combination

- Anomalon suburbe* Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂, ♀.
[o.d., Julietta, Ida. (A.N.S.P.)]
- Habronyx suburbe* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Erigorgus sulcatus (Provancher) new combination

- Podogaster sulcatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 90.
♀. [o.d., Ottawa, Ont. (M.P.Q.)]
- Anomalon sulcatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]
- Podogaster sulcata* Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]

Erigorgus xanthopsis (Ashmead) new combination

- Anomalon xanthopsis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♂.
[o.d., Placer Co., Calif. (U.S.N.M.)]

LABRORYCHUS Foerster

- Labrorychus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.
Genotype: (*Labrorychus anaitidis* Szépligeti) = *tenuicornis* Gravenhorst.

Labrorychus aestivalis Viereck

- Labrorychus aestivalis* Viereck, Psyche, 1921, 28: 79. ♀. [o.d., Chain Bridge,
Va. (M.C.Z.)]

Labrorychus alpinus (Davis) new combination

Anomalon alpinus Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♀. [o.d., Mt. Craig, Ida. (A.N.S.P.)]

Anomalon alpinum Dalla Torre, Cat. Hymen., 1901, 3: 162. [syn.]

Labrorychus analis (Say)

Ophion analis Say, Contrib. MacLurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 379). ♀. [o.d., Ind. (M.C.Z.)]

Ophion analis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Anomalon analis Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [des., Kans., Mass., N.Y.]

Anomalon anale Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). ♂, ♀. [key, des., Que.]

Anomalon anale Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon anale Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon anale Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]

Anomalon anale Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host *d*, N.H.]

Anomalon anale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. [key, D.C.]

Erigorgus analis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]

Labrorychus analis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]

Labrorychus analis Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Erigorgus anale Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

Labrorychus analis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [host *c*, N.Y.]

Labrorychus analis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 145. [biol., host *a b e f g*, New England, N.J., N.Y.]

Labrorychus analis Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]

LASIOCAMPIDAE: *a*, *Malacosoma americanum*; *b*, *Malacosoma distria*; *c*, *Malacosoma fragile*; *d*, *Malacosoma* sp. LYMANTRIIDAE: *e*, *Hemerocampa leucostigma*. NOTODONTIDAE: *f*, *Ichthyura inclusa*. ARCTIIDAE: *g*, *Cynia tenera*.

Labrorychus borealis (Ashmead)

Agrypon boreale Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., Fort McLeod, B.C. (U.S.N.M.)]

Labrorychus borealis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

Labrorychus borealis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

Labrorychus chlamidatus (Provancher)

Anomalon chlamidatum Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.

♀. [key, o.d., Cap Rouge, Que. (M.P.Q.), Ont.]

Anomalon rufulum Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

Atrometus flavifrons Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

Labrorychus chlamidatum Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16.

[syn.]

Agrypon chlamidatum Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Agrypon chlamidatum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

953. [N.Y.]

Labrorychus filiformis (Provancher) new combination

Anomalon filiforme Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.

♂, ♀. [key, o.d., Becancoeur, Que. (M.P.Q.)]

Paranomalon filiforme Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

954. [N.Y.]

Erigorgus filiforme? Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

Labrorychus melleus (Cresson) new combination

Anomalon melleum Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d.,

Bosque Co., Tex. (U.S.N.M.)]

Agrypon melleum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. [syn.]

Labrorychus metallicus (Norton) new combination

Anomalon metallicus Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass. (Yale Univ.)]

Anomalon metallicum Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. [Tex.]

Agrypon metallicum Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Anomalon metallicum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.

[N.J.]

Anomalon metallicum Dalla Torre, Cat. Hymen., 1901, 3: 168. [syn.]

Anomalon metallicum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

Erigorgus metallicum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:

284. [key]

Labrorychus prismaticus (Norton)

Anomalon prismaticus Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass., Conn. (Yale Univ.)]

Anomalon prismaticus Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]

Anomalon prismaticum Provancher, Nat. Canad., 1879, 11: 143; (Faune, p.

358). ♂, ♀. [key, des., Que.]

Anomalon prismaticum Provancher, Nat. Canad., 1879, 11: 268. [Que.]

Anomalon prismaticum Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.

[key]

- Anomalon prismaticum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [syn.]
Labrorychus prismaticus Johnson, Psyche, 1916, 23: 81. [host *a*, Vt.]
Erigorgus prismaticum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]
Erigorgus prismaticus Baird, Agr. Gaz. Canada, 1918, 5: 468. [biol., host *a*, Canada]
Erigorgus prismaticus Baird, Agr. Gaz. Canada, 1918, 5: 768. [des., biol., host *a*, N.B.]
Labrorychus prismaticus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
Labrorychus prismaticus Poos, Ohio Jour. Sci., 1927, 27: 83. [host *b*, Ohio]
Labrorychus prismaticus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
Labrorychus prismaticus Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]
- TORTRICIDAE: *a*, *Archips cerasivorana*. PYRAUSTIDAE: *b*, *Pyrausta penitalis*.

Labrorychus pseudargioli (Howard) new combination

- Anomalon pseudargioli* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1881. ♀. [o.d., host *a b*, type locality not given (U.S.N.M.)]
Erigorgus pseudargioli Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]
Agrypon pseudargioli Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- LYCAENIDAE: *a*, *Lycaenopsis pseudargiolus*; *b*, *Strymon melinus*.

ATROMETUS Foerster

- Atrometus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.
 Genotype: *Atrometus insignis* Foerster.

Atrometus clavipes (Davis)

- Anomalon clavipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♂. [o.d., Mich. (A.N.S.P.)]
Paranomalon clavipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
Atrometus clavipes Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *c*, Ont.]
Atrometus clavipes Daviault, Nat. Canad., 1935, 62: 245. [host *a*, Que.]
Atrometus clavipes Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *c*, Ohio]
Atrometus clavipes Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *b*, Canada]

OECOPHORIDAE: a, *Psilocorsis* sp. TORTRICIDAE: b, *Peronea variana*. OLETHREUTIDAE: c, *Grapholitha molesta*.

Atrometus evetrivorus (Rohwer) new combination

Podogaster evetrivorus Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 142. ♂, ♀.
[o.d., host a, Fort Bayard, N.M. (U.S.N.M.)]

OLETHREUTIDAE: a, *Rhyacionia* sp. in *Pinus ponderosa*.

Atrometus praediscae (Ashmead) new combination

Argypon (!) *praediscae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♂, ♀.
[o.d., host a, St. Louis, Mo. and Fortress Monroe, Va. (U.S.N.M.)]

Agrypon praediscae (!) Slosson, Ent. News, 1902, 13: 5. [N.H.]

Anomalon paediscae (!) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620.
[syn.]

OLETHREUTIDAE: a, "*Paedisca*" sp.

Unplaced species of Aphanistina

I have been unable to make a satisfactory generic placement of the following species of *Aphanistina*.

Anomalon apicale (Cresson)

Cremastus fulvescens var. *apicalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286.
♀. [o.d., Colo. (A.N.S.P.)]

Cremastus fulvescens var. *seminiger* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♂, ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

Anomalon apicale Riley, Ann. Rpt. Insects Mo., 1877, 9: 55. [host a]

Anomalon apicaule (!) Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [host b, S.C.]

Anomalon apicola (!) Riley and Howard, Insect Life, 1890, 1: 155. [host a, Fla., Kans., Tex.]

Anomalon apicale Howard, The Insect Book, 1902, plate 9, fig. 9.

Anomalon fulvescens var. *hemimelas* Viereck, Trans. Kans. Acad. Sci., 1905, (♀). [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

Habronyx apicalis Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

Labrorychus apicalis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

PHALAENIDAE: a, *Prototeuclania albilinea*. Miscellaneous: b, medium-sized hairy caterpillar.

Anomalon clavatum Davis

Anomalon clavatum Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♀. [o.d., S.D. (A.N.S.P.)]

MEM. AMER. ENT. SOC., 11 pt. 2.

Anomalon exile Provancher

Anomalon exile Provancher, Nat. Canad., 1874, 6: 175. ♀. [key, o.d., Que. (M.P.Q.)]

Anomalon exile Provancher, Nat. Canad., 1879, 11: 144; (Faune, p. 358). [key, des.]

Anomalon exile Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon exile Slosson, Ent. News, 1898, 9: 253. [N.H.]

Anomalon exile Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]

Anomalon exile Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host *b*, N.H.]

Anomalon exile Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 144, 147-149. [biol., host *b c*, Mass.]

Erigorgus exilis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

Paranomalon exile Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Paranomalon exilis Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHYCITIDAE: *a*, *Acrobasis rubrifasciella*. LASIOCAMPIDAE: *b*, *Malacosoma* sp. LY-MANTRIIDAE: *c*, *Nygmia phaeorrhea*.

Anomalon fulvescens (Cresson)

Cremastus fulvescens Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

Anomalon fulvescens Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [des., Tex.]

Anomalon orbitale Cresson

Anomalon orbitalis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Anomalon orbitale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. ♀. [key, des., Tex.]

Anomalon pallitarse Cresson

Anomalon pallitarse Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Anomalon pallitarse Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Anomalon palliditarse Dalla Torre, Cat. Hymen., 1901, 3: 168. [emendation of *Anomalon pallitarse* Cresson]

Anomalon verbosum Cresson

Anomalon verbosum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

Cremastus nigricans Cresson, new combination

Cremastus fulvescens var. *nigricans* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♀. [o.d., Colo. (A.N.S.P.)]

Subfamily 11. OPHIONINAE

Tribe 4. ANOMALINI

Subtribe 5. THERIONINA

THERION Curtis

Therion Curtis, Guide Brit. Ins., 1829-30, (4), p. 101.

Genotype: *Ichneumon circumflexus* Linnaeus.

Therium Agassiz, Nom. Zool., 1846, Index Univ., p. 368. [emendation of *Therion* Curtis]

Exochilum Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 122.

Genotype: *Ichneumon circumflexus* Linnaeus.

Therion californicum (Cresson) new combination

Anomalon californicum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀. [o.d., Calif. (A.N.S.P.)]

Heteropelma longipes Provancher, Addit. Faune Canada, Hymén., 1886, p. 120, 363. ♂. [o.d., Calif. (M.P.Q.)] New synonymy.

Anomalon simile Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Los Angeles, Calif. (U.S.N.M.)] New synonymy.

Anomalon? longipes Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Therion circumflexum (Linnaeus)

Ichneumon circumflexus Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

Anomalon ambiguus Provancher, Nat. Canad., 1874, 6: 174. [key, Que.] Misdetermined.

Exochilum occidentale Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Ore. (A.N.S.P.), Colo.] New synonymy.

Anomalon nigrum Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 356). ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Anomalon nigrum Taylor, Canad. Ent., 1884, 16: 91. [host a, B.C.]

Exochilum nigrum Provancher, Addit. Faune Canada, Hymén., 1886, p. 78. [des.]

Exochilum nigrum Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Exochilum occidentale Evans, Canad. Ent., 1896, 28: 10. [Ont.]

Exochilum nigrum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 75. [key]

Exochilum circumflexum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [key, syn., Hudson Bay]

- Exochilum occidentale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 79. [key, des.]
- Therion occidentalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Therion occidentale* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion circumflexum* Uchida, Jour. Faculty Agr. Hokkaido Imp. Univ., 1932, 33: 140. [syn.]
- Exochilum circumflexum* Peck, Canad. Jour. Res., 1937, D, 15: 247, 251. [fig. ♂ genitalia]
- Therion nigrum* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAEINIDAE: a, phalaenid.

***Therion confusum* (Ashmead) new combination**

- Schizoloma confusa* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♀. [o.d., S.C. (U.S.N.M.)]
- Exochilum acronyctae* Riley and Howard, Insect Life, 1890, 3: 155. [host a b, Calif., Va. Nomen nudum.]
- Exochilum acronyctae* * Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♀. [o.d., host a b, Washington, D.C. (U.S.N.M.), Calif.] New synonymy.
- Exochilum acronyctae* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Exochilum acronyctae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [Pa.]
- Schizoloma confusa* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 66. [key, des.]
- Exochilum acronyctae* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]

PHALAEINIDAE: a, *Acronicta hastulifera*; b, *Merolonche lupini*.

***Therion fuscipenne* (Norton)**

- Exochilum fuscipennis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. ♀. [o.d., Washington, D.C. (Yale Univ.)]
- Exochilum fuscipennis* Provancher, Nat. Canad., 1874, 6: 176. [des., Que.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 355). [key, des., fig.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 268. [Que.]
- Exochilum fuscipenne* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Exochilum fuscipennis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]
- Exochilum fuscipenne* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Therion fuscipenne* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

* Ashmead described *Exochilum acronyctae* from two females, one from Placer Co., Calif. and the other from Washington, D.C. They do not appear to be conspecific. The specimen from Washington, D.C. is hereby designated lectotype.

Exochilum fuscipennis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Therion fuscipenne Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Therion fuscipennis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133.
[Me.]

Therion fuscipenne Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
954. [host *a b c e*, N.Y.]

Therion fuscipenne Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Therion fuscipenne Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.
2: 104. [Mass.]

Therion fuscipennis Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 147. [biol., host *d*, Me.]

Therion fuscipenne Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAENIDAE: *a*, *Acronicta americana*; *b*, *Acronicta hastulifera*; *c*, *Acronicta hesperida*;
d, *Acronicta impressa*; *e*, *Merolonche lupini*.

Therion morio (Fabricius)

Ichneumon morio Fabricius, Spec. Insect., 1781, 1: 436. [o.d., North America
(British Mus.)]

Ophion morio Fabricius, Suppl. Ent. System., 1798, p. 237. [des.]

Ophion mundus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.
[Mass.] Nomen nudum.

Ophion mundus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2:
695). ♂. [o.d., Ind. (type destroyed)]

Anomalon flavipes Brullé, Hist. Nat. Insectes Hymen., 1846, 4: 170. ♂, ♀.
[o.d., Mexico (Paris Mus.)]

Ophion mundus Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig.,
N.Y.]

Ophion mundus Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169. [des.,
biol., Mass.]

Exochilum mundum Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [syn., Ia.,
Lake Superior, New England, N.Y., Pa.]

Exochilum mundum Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Anomalon nigripennis Provancher, Nat. Canad., 1874, 6: 173. ♂, ♀. [key,
o.d., Que. (M.P.Q.)]

Exochilum mundum Provancher, Nat. Canad., 1879, 11: 120; (Faune, p. 354).
♂, ♀. [key, syn., des.]

Exochilum mundum Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1881. [des., host *i j*]

Exochilum mundum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Exochilum mundum Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

Exochilum mundum Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

Exochilum mundum Kirkland, Canad. Ent., 1893, 25: 312. [biol., host *h*, Mass.]

Exochilum mundum Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.
[host *a*, N.J., N.Y.]

Exochilum mundum Howard, The Insect Book, 1902, plate 10, fig. 13, 14.

Exochilum mundum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310. [Kans.]

Exochilum mundum Nason, Ent. News, 1905, 16: 151. [Ill.]

Thyreodon morio Morley, Ent., 1909, 42: 136. [notes on the type, Mass., Mexico, N.H., N.Y.]

Exochilum mundum Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]

Exochilum mundum Fyles, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 36. [host *b*, Que.]

Exochilum morio Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., England, Mass., Mexico, N.H., N.Y.]

Exochilum mundum Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *h*, N.B.]

Exochilum mundum Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Therion morio Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 286. [key, Conn.]

Therion morio Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59-74. [des., fig., biol., host *h*, morphology, N.B., N.S.]

Therion morio Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]

Therion morio Gorham, Proc. Acadian Ent. Soc., 1923, 8: 20. [host *h*, N.B.]

Therion morio Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

Therion morio Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [biol., plate 6, fig. 41, 42, 44]

Therion morio Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host *j*, N.Y.]

Therion morio Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

Therion morio Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

Therion morio Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *c d e f g*, Me., Mass., N.H., N.J., N.Y., Pa.]

Therion morio Brimley, Insects of N.C., 1938, p. 415. [N.C.]

Therion morio Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 416. [Me.]

Therion morio Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

GEOMETRIDAE: *a*, *Cingilia catenaria*. NOTODONTIDAE: *b*, *Datana angusii*. PHALAENIDAE: *c*, phalaenid. ARCTIIDAE: *d*, *Cynia inopinata*; *e*, *Diacrisia virginica*; *f*, *Estigmene acrea*; *g*, *Halisidota maculata*; *h*, *Hyphantria cunea*. NYMPHALIDAE: *i*, *Vanessa cardui*. PAPILIONIDAE: *j*, *Papilio marcellus*.

***Therion neglectum* (Morley) new combination**

Exochilum neglectum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. ♂, ♀. [key, o.d., Hudson Bay (British Mus.), N.S.]

***Therion nigrovarium* (Brullé)**

Anomalus nigrovarium Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 172. ♀. [o.d., N. Amer. (Paris Mus.)]

- Exochilum nigrovarium* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [Conn.]
Exochilum nigrovarium Cresson, Trans. Amer. Ent. Soc., 1872, 2: 170. [Tex.]
Exochilum nigrovenarium (!) Slosson, Ent. News, 1897, 8: 237. [N.H.]
Exochilum nigrovarium Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
Exochilum nigrovarium Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]
Therion nigrovarium Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

***Therion petiolatum* (Davis)**

- Exochilum petiolatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♂, ♀. [o.d., S.D. (A.N.S.P.)]
Exochilum petiolatum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [syn.]
Therion petiolatum Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a*, Mass., R.I.]
 PHALAEINIDAE: *a*, *Phosphila turbulenta*.

***Therion sassacus* Viereck**

- Therion sassacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♀). [o.d. in key, Windsor, Conn. (U.S.N.M.)]
Therion waccagum Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♂). [o.d. in key, North Haven, Conn. (U.S.N.M.)] New synonymy.
Therion sassacus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
Therion sassacus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a c*, Me., Mass., N.J., N.Y., R.I., Vt.]
Therion waccagum Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a b*, N.J.]
Therion sassacus Brown, Canad. Ent., 1934, 66: 262. [Ont.]
 ARCTHIDAE: *a*, *Cycnia inopinata*; *b*, *Cycnia tenera*; *c*, *Hyphantria cunea*.

***Therion tenuipes* (Norton)**

- Exochilum tenuipes* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♀. [o.d., Conn. and Mass. (Yale Univ.)]
Exochilum tenuipes Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo., N.J., Tex.]
Exochilum tenuipes Slosson, Ent. News, 1898, 9: 253. [N.H.]
Exochilum tenuipes Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., Conn., Mass., N.H.]
Therion tenuipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]
Exochilum tenuipes Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Therion tenuipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954.
[host *a*, N.Y.]

Therion tenuipes Brimley, Insects of N.C., 1938, p. 415. [N.C.]

ARCTIIDAE: *a*, *Diacrisia virginica*.

***Therion texanum* (Ashmead)**

Exochilum texanum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♂. [o.d.,
Tex. (U.S.N.M.)]

Exochilum texanum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.,
Calif., Mexico]

Therion texanum Brimley, Insects of N.C., 1938, p. 415. [N.C.]

***Therion varicolor* (Viereck) new combination**

Exochilum varicolor Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. ♂. [o.d.,
Beulah, N.M. (A.N.S.P.)]

Exochilum variicolor (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [syn.]

***Therion verticale* (Morley) new combination**

Exochilum verticale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 78. ♀. [key,
o.d., Hudson Bay (British Mus.)]

HETEROPELMA Wesmael

Heteropelma Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 120.

Genotype: *Anomalon* (*Heteropelma*) *calcator* Wesmael.

***Heteropelma datanae* Riley**

Heteropelma datanae Riley, Insect Life, 1888, 1: 177. ♀. [o.d., host *a*, no
locality given (U.S.N.M.)]

Heteropelma datanae Riley and Howard, Insect Life, 1890, 3: 155. [host *b*,
D.C.]

Heteropelma datanae Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 69. [key,
des.]

Heteropelma datanae Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285.
♀. [des.]

Heteropelma datanae Gray, Bull. Ark. Agr. Exp. Sta., 1926, 203: 33. [host *a*,
Ark.]

Heteropelma datanae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:
953. [N.Y.]

Heteropelma datanae Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,
188: 145. [biol., host *a*, N.J., Pa.]

Heteropelma datanae Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana* sp. on *Juglans* sp.

Heteropelma fulvicorne new name

Anomalon flavicorne Brullé, Hist. Nat. Insect. Hymen., 1846, 4: 171. ♀.
[o.d., fig., Philadelphia, Pa. (Paris Mus.)] Preoccupied by Say, 1823.

Heteropelma flavicorne Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [Conn., Pa.]

Anomalon flavicorne Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host f]

Heteropelma flavicorne Provancher, Nat. Canad., 1874, 6: 176. [Que.]

Heteropelma flavicorne Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 355).
[des.]

Heteropelma flavicornis Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

Heteropelma flavicorne Riley and Howard, Insect Life, 1890, 3: 155. [host e, D.C.]

Heteropelma flavicornis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Exochilum flavicorne Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

Heteropelma flavicornis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [host g, N.J., N.Y.]

Heteropelma flavicornis Howard, The Insect Book, 1902, plate 10, fig. 18.

Heteropelma fulvicorne (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68.
[key, des., N.H., N.Y.] Misdetermined.

Heteropelma flavicornis Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

Heteropelma flavicorne Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285. [des., fig., Conn.]

Heteropelma flavicornis Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.
[Minn.]

Heteropelma flavicorne Bradley, Bull. Lloyd Libr., 1926, 21: 171. [N.Y.]

Heteropelma flavicorne Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]

Heteropelma flavicorne Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 145. [biol., host a b c d, Me., N.J., N.Y., R.I.]

Heteropelma flavicorne Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: a, *Datana contracta*; b, *Datana integerrima*; c, *Datana ministra*; d, *Datana perspicua*; e, *Datana* sp. on *Hammamelis virginiana*. ARCTIDAE: f, *Diacrisia virginica*. SPHINGIDAE: g, *Sphinx luscitiosa*.

Subfamily 11. OPHIONINAE

Tribe 5. OPHIONINI

OPHION Fabricius

Ophion Fabricius, Ent. System., 1798, suppl.: 210, 235.

Genotype: *Ichneumon luteus* Linnaeus.

Paniscus Schrank, Fauna Boica, 1802, 2, pt. 2: 316.

Genotype: *Ichneumon luteus* Linnaeus.

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Genophion Felt, Bull. N.Y. State Mus., 1903, 76: 123.

Genotype: *Genophion gilletti* Felt.

Neophion Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 4, 30. New synonymy.

Genotype: *Neophion crassus* Morley.

Ophiogastrella Brues, Ann. Ent. Soc. Amer., 1912, 5: 201. New synonymy.

Genotype: *Ophiogastrella maculithorax* Brues.

***Ophion abnormus* (Felt)**

Ophion abnormum Felt, Bull. N.Y. State Mus., 1904, 76: 121. ♀. [key, o.d., fig., Colo. (N.Y. State Mus.)]

Eremotylus felti Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♀. [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

Ophion abnormis (!) Hooker, Trans. Amer. Ent. Soc., 1912, 38: 47. [key, des., fig.]

Ophion abnormis (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

Ophion abnormis (!) Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

***Ophion ancyloneura* Cameron ***

Ophion ancyloneura Cameron, Biol. Centr.-Amer., 1886, Hymen., 1: 294. ♀. [o.d., fig., Capetillo, Guatemala (British Mus.)]

***Ophion bifoveolatus* Brullé**

Ophion bifoveolatus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. Amer. (Paris Mus.)]

Ophion bifoveolatus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♂, ♀. [des., Ark., Ill., Md., N.Y., "Red River"]

Ophion bifoveolatus Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

Ophion bifoveolatus Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.]

Ophion nigrivarius Provancher, Nat. Canad., 1874, 6: 104. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

Ophion bifoveolatus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion bifoveolatus Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion nigrovarius Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion nigrovarius Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

Ophion bifoveolatum Riley, Proc. Ent. Soc. Wash., 1891, 2: 134. [host *a*]

Ophion bifoveolatum Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

Ophion bifoveolatum Slosson, Ent. News, 1894, 5: 4. [N.H.]

Ophion bifoveolatum Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1894, 18: 125. [host *b*, Ill.]

* Specimens in the Townes Collection are from Brazil, Iowa, N.Y., N.C., S.C., Tenn., Tex., Venezuela, and Va.

- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1896, 44: 272. [host *b*, Ill.]
- Ophion bifoveolatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *c*, N.H.]
- Ophion bifoveolatum* Felt, Bull. N.Y. State Mus., 1904, 76: 119. [key, des., fig., biol., D.C., Mass., N.J., N.Y., Ont., Tex.]
- Ophion nigrovarium* Felt, Bull. N.Y. State Mus., 1904, 76: 121. [key, des.]
- Ophion bifoveolatus* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1907, 116: 473. [biol., host *b*, Ill.]
- Ophion bifoveolatum* Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1908, 24: 161. [des., biol., host *b*, Ill.]
- Ophion bifoveolatum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bifoveolatus nigrovarius* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 28. [key, des.]
- Ophion bifoveolatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 33. [key, des., biol., host *a d*, Calif., Ill., Mexico, Mont., N.H., Ont., Pa.]
- Ophion nigrovarius* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]
- Ophion bifoveolatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, des., Ga.]
- Ophion (Ophion) bifoveolatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key]
- Ophion bifoveolatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Ophion bifoveolatum* Davis, Bull. Ill. Nat. Hist. Surv., 1919, 13: 85. [fig., biol., host *b*, Ill.]
- Ophion bifoveolatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Ophion bifoveolatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Ophion bifoveolatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
- Ophion bifoveolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Ophion bifoveolatum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Ophion bifoveolatum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SCARABAEIDAE: *a*, *Phyllophaga fusca*; *b*, *Phyllophaga* sp. ARCTIIDAE: *c*, arctiid.
SATURNIIDAE: *c*, *Callosamia promethea*.

***Ophion bilineatus* Say**

- Ophion bilineatus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 378). [o.d., Ind. (type destroyed)]
- Ophion bilineatum* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Ophion bilineatus* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed., 2: 695). [des.]

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- Ophion bilineatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [Lake Superior, Lake Winnipeg, Md., New England, N.Y.]
- Ophion bilineatus* Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host *m*]
- Ophion bilineatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]
- Ophion bilineatus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]
- Ophion bilineatus* Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 706. [Nev.]
- Ophion bilineatus* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des., fig.]
- Ophion bilineatus* Saunders, Insects Injurious to Fruits, 1883, p. 273. [fig., host *m*]
- Ophion bilineatum* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Ophion bilineatus* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Ophion bilineatus* Lintner, Rpt. Injurious and Other Insects N.Y., 1888, 4: 205. [N.Y.]
- Ophion bilineatus* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1880. [syn., des.] In part.
- Ophion bilineatus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Ophion bilineatus* Riley and Howard, Insect Life, 1890, 3: 155. [host *b i*, Colo., D.C., Fla., La., Mich., Mo., Mont., Tex., Va.]
- Ophion bilineatum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Ophion bilineatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion bilineatum* Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]
- Ophion bilineatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion bilineatum* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., D.C.]
- Ophion bilineatum* Harrington, Canad. Ent., 1897, 29: 44. [des., B.C.]
- Ophion bilineatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ophion bilineatum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., N.Y.]
- Ophion bilineatum* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Ophion bilineatum* Howard, The Insect Book, 1902, plate 10, fig. 17.
- Ophion bilunatus* (!) Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]
- Ophion bilineatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 58. [host *a*, Ont.]
- Ophion bilineatum* Felt, Bull. N.Y. State Mus., 1904, 76: 114. [key, des., fig., biol., N.Y.]
- Ophion bilineatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bilineatum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.]
- Ophion bilineatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Ophion bilineatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bilineatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn., des., biol., host *j n*, Alaska, Argentina, Ark., Brazil, B.C., British Honduras, Calif., Chile, Colo., Conn., Del., Ind., Jamaica, Kans., Mexico, Mich., Mont., N.H., N.Y., Ohio, Pa., Porto Rico, Santo Domingo, Wash., Wyo., Va.] In part.

- Ophion (Ophion) bilineatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]
- Ophion bilineatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.]
- Ophion bilineatum* Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. [N.W. Terr.]
- Ophion bilineatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *g h*, Tex.]
- Ophion bilineatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Ophion bilineatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Ophion bilineatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
- Ophion bilineatum* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Ophion bilineatum* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *h*, Ala., S.C., Tex.]
- Ophion bilineatum* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *b c d f j k l*]
- Ophion bilineatus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 39-42. [biol., host *g h*, Tex.]
- Ophion bilineatum* Hinds and Osterberger, Jour. Econ. Ent., 1931, 24: 1172. [host *e*, La.]
- Ophion bilineatum* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ophion bilineatum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: *a*, *Heterocampa manteo*. PHALAENIDAE: *b*, *Agrotis gladiaria*; *c*, *Agrotis ypsilon*; *d*, *Amathes c-nigrum*; *e*, *Anticarsia gemmatilis*; *f*, *Feltia ducens*; *g*, *Laphygma exigua*; *h*, *Laphygma frugiperda*; *i*, ?*Metaxaglaea inulta*; *j*, *Prodenia eridania*; *k*, *Prodenia ornithogalli*; *l*, *Rusina bicolorago*. ARCTIIDAE: *m*, *Diacrisia virginica*. SATURNIIDAE: *n*, *Samia cecropia*.

***Ophion chilensis* Spinola ***

- Ophion chilensis* Spinola, in Gay: Hist. Fisica y Politica Chile, 1851, Zool., 6: 515. ♀. [o.d., Chile (location of type unknown)]
- Ophion chilensis* Glover, Ent. News, 1928, 39: 317. [biol., Calif.]

***Ophion costalis* Cresson**

- Ophion costale* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Klamath Co., Calif. (A.N.S.P.)]
- Ophion costalis* Dalla Torre, Cat. Hymen., 1901, 3: 189. [syn.]
- Ophion costale* Felt, Bull. N.Y. State Mus., 1904, 76: 123. [key]
- Genophion gilletti* Felt, Bull. N.Y. State Mus., 1904, 76: 123. ♀. [key, o.d., Colo. (N.Y. State Mus.)]
- Ophion costale* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 26. [key, syn., des.]
- Ophion costalis* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

* Occurrence in the Nearctic Region needs confirmation.

Ophion coloradensis (Felt)

Genophion coloradensis Felt, Bull. N.Y. State Mus., 1904, 76: 124. ♀. [key, o.d., Colo. (N.Y. State Mus.)]

Ophion coloradensis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 38. ♀. [key, des., fig.]

Ophion crassus (Morley) new combination

Neophion crassus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. ♂. [key, o.d., Nova Scotia (British Mus.)]

Ophion elongatus Hooker, new combination

Ophion bilineatus elongatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 30. ♀. [key, o.d., Colo. (A.N.S.P.)]

Ophion flavorufus Brullé *

Ophion flavo-rufus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 144. [o.d., Brazil (Paris Mus.)]

Ophion flavorufus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 162. [des.]

Neophion flavorufus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. [key, des., Mass., N.Y., Tex.]

Ophion idoneus Viereck

Ophion idoneum Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♂. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)]

Ophion idoneum Viereck, Trans. Kans. Acad. Sci., 1906, 32: 182. ♂, ♀. [Kans.]

Ophion idoneum Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

Ophion bilineatum Hooker, Trans. Amer. Ent. Soc., 1912, 38: 42. [syn.] In part.

Ophion idoneum Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host a]

Ophion idoneum Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

PHALAEINIDAE: a. *Rusina bicolorago*.

Ophion luteus (Linnaeus)

Ichneumon luteus Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

Ophion luteus Fabricius, Syst. Piez., 1804, p. 130. [des., Europe]

Ophion luteus Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

Ophion luteus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, syn. (in part), B.C., Calif., Colo., Fla., Hudson Bay., Me., Mass., Mexico, N.Y., N.S., Sask.]

* Occurrence in the Nearctic Region needs confirmation.

Ophion luteus Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 536.
[syn., Greenland]

Ophion luteus Eidmann, Arb. Morph. Tax. Ent., 1935, 2: 102. [Labrador]

Ophion magniceps Hooker

Ophion abnormis magniceps Hooker, Trans. Amer. Ent. Soc., 1912, 38: 36. ♂,
♀. [key, o.d., southern Calif. (A.N.S.P.), Mont.]

Ophion abnormis magniceps Essig, Insects of Western N. Amer., 1926, p. 792.
[host *a*, Calif.]

Ophion abnormis var. *magniceps* McKenzie, Bull. Calif. Agr. Exp. Sta., 1935,
592: 21. [host *a*, Calif.]

GEOMETRIDAE: *a*, *Sabulodes caberata*.

Ophion novascotiae (Morley) new combination

Eurycamptus nova-scotiae Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 29. ♀.
[key, o.d., Nova Scotia (British Mus.), N.Y.]

Ophion obscuratus Fabricius *

Ophion obscuratus Fabricius, Ent. System., 1798, suppl., p. 237. ["habitat
Halae Saxonum" (location of type unknown)]

Ophion obscurus Fabricius, System. Piez., 1804, p. 132. [emendation of *Ophion
obscuratus* Fabricius]

Ophion obscurus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, Colo.,
Europe, Japan]

Ophion pallidus Cockerell, new combination

Ophion bilineatus var. *pallida* Cockerell, Sci. Gossip, 1889, 25: 92. [o.d.,
Saguache, Saguache Co., Colo. (type lost)]

Ophion slossonae Davis

Ophion slossonae Davis, Ent. News, 1893, 4: 135. ♂. [o.d., host *a*, Conn.
(A.N.S.P.), Ill.]

Eremotylus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]
In part.

Ophion ferruginipennis Felt, Bull. N.Y. State Mus., 1904, 76: 122. ♀. [key,
o.d., fig., N.Y. (cotype at N.Y. State Mus.)]

Ophion slossonae Hooker, Trans. Amer. Ent. Soc., 1912, 38: 31. [key, syn.,
des., biol., Ill., Mass., Minn., Newfoundland, N.Y., Pa.]

Ophion slossonae Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key, des.,
Ga.]

Ophion (*Ophion*) *slossoni* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,
22: 288. [key]

* Occurrence in the Nearctic Region needs confirmation.

Ophion slossonae Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Ophion slossonae Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]

Ophion slossonae Brimley, Insects of N.C., 1938, p. 414. [N.C.]

PHALAEINIDAE: a, *Acrionicta* sp.

***Ophion stramineus* Taschenberg**

Ophion stramineus Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 431. ♀. [o.d., N. Amer. (location of type unknown)]

Allocamptus stramineus Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.]

***Ophion subfuliginosus* Ashmead**

Ophion subfuliginosus Ashmead, Proc. Calif. Acad. Sci., 1894, 4: 126. ♂, ♀. [o.d., El Taste and El Chinche, Baja California, Mexico (Calif. Acad. Sci.)]

Ophion subfuliginosus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 29. [key, des., Mexico, N.M., Va.]

Ophion subfuliginosus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

***Ophion tityri* Packard**

Ophion tityri Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 19. ♂. [o.d., host c, no locality given, but probably from Mass. (M.C.Z.)]

Ophion bilineatus Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1880. [key, syn. (in part), des., fig.]

Ophion tityri Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]

Ophion tityri Felt, Bull. N.Y. State Mus., 1904, 76: 116. [key, des., host a b, B.C., Mich., N.Y., Ont.]

Ophion bilineatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn., des., biol., host] In part.

Ophion tityri Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

Ophion (Ophion) tityri Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key]

Ophion tityri Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

NOTODONTIDAE: a, *Symmerista albifrons*. ARCTIIDAE: b, *Halisidota caryae*. HESPERIIDAE: c, *Proteides clarus*.

ENICOSPILUS Stephens

Enicospilus Stephens, Ill. Brit. Ent., 1835, 7: 126, plate 10, fig. e.

Genotype: *Ophion merdarius* Gravenhorst.

Henicospilus Agassiz, Nomen. Zool., 1846, Index. Univ., p. 138. [emendation of *Enicospilus* Stephens]

Allocamptus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 150. New synonymy.

Genotype: *Ophion undulatus* Gravenhorst.

Pleuroneurophion Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 86. New synonymy.

Genotype: *Pleuroneurophion hawaiiensis* Ashmead.

Banchogastra Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 87. New synonymy.

Genotype: *Banchogastra nigra* Ashmead.

Cymatoneura Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 22, 74.

Genotype: *Ophion undulatus* Gravenhorst.

Pterospilus Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 156. Preoccupied by Rondani, 1856. New synonymy.

Genotype: *Ophion* (*Enicospilus*) *dubius* Tosquinet.

Abanchogastra Perkins, Trans. Ent. Soc. London, 1902, p. 141. New synonymy.

Genotype: *Abanchogastra debilis* Perkins.

Ophiomorpha Szépligeti, Genera Insectorum, 1905, 34: 34. Preoccupied by Nilsson, 1836.

Genotype: (*Ophiomorpha curvinervis* Cameron) = *cameroni* Dalla Torre.

Cryptocampius Brethes, Anal. Mus. Nac. Buenos Aires, 1909, 19: 230.

Genotype: *Ophion undulatus* Gravenhorst.

Eremotylodes Perkins, Trans. Ent. Soc. London, 1914, p. 530. New synonymy.

Genotype: *Eremotylus orbitalis* Ashmead.

Amesospilus Enderlein, Beitr. Landf. Sudwestafrik, 1918, 1: 222. New synonymy.

Genotype: *Amesospilus herero* Enderlein.

Schizospilus Séyrig, Mem. Mus. Hist. Nat. Paris, 1936, 4: 79. New synonymy.

Genotype: *Schizospilus divisus* Seyrig.

***Enicospilus americanus* (Christ) new combination**

(not named) Drury, Illustr. Exotic Ent., 1770, 1: 97. [des., fig., N.Y.]

Ichneumon macrurus Linnaeus, Mantissa Plantarum, 1771, 2: 540. [syn.] In part. The description applies to a species of *Megarhyssa*.

Ichneumon macrurus Drury, Illustr. Exotic Ent., 1772±, 1, index: 2. [syn.] Misdetermined.

Ichneumon luteus americanus Christ, Naturgeschichte Classification und Nomenclature der Insecten, 1791, p. 358, pl. 37, fig. 5. [o.d., fig., N.Y. (location of type unknown)]

Ophion macrurum Westwood, in Drury: Illustr. Exotic Ent., Ed. 2, 1837, 1: 92. [des., fig., biol.] Misdetermined.

Ophion rugosus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. America (Paris Mus.)]

Ophion macrurum Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., biol., N.Y.] Misdetermined.

Ophion cecropiae Scudder, Proc. Boston Soc. Nat. Hist., 1863, 9: 188-189. [biol., host *h*] Nomen nudum.

- Ophion macrurum* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., host *h k*, Ill., La., N. England, N.Y., Pa.] Misdetermined.
- Ophion cecropiae* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169, [o.d., host *h*, Mass. (?type lost)] New synonymy.
- Ophion macrurum* Trouvelot, Amer. Natural., 1868, 1: 89. [fig., biol., host *k*] Misdetermined.
- Ophion macrurus* Smith, Trans. Ent. Soc. London, 1868, (3), 5: Proc. XXXII. [biol., host *f h*, N.Y.] Misdetermined.
- Ophion macrurum* Chambers, Amer. Ent., 1870, 2: 156. [host *k*, La.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1870, 2: 100-101. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Riley, Ann. Rpt. Insects Mo., 1872, 4: 107-108. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.] Misdetermined.
- Ophion macrurum* Reed, Ann. Rpt. Ent. Soc. Ont., 1873, 3: 40. [host *k*] Misdetermined.
- Ophion undulatus* Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 430. [des., host *h*, N. America] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1875, 7: 314. [Que.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1875, 5: 25. [fig., biol.] Misdetermined.
- Ophion macrurum* Cresson, Rpt. Wheeler Exped. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1876, 6: 42. [biol., host *k*] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent., 1876, 8: 220. [biol., host *h k*, Ill.] Misdetermined.
- Ophion macrurum* Gentry, Canad. Ent., 1877, 9: 50. [host *h*, Pa.] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent., 1877, 9: 60. [biol.] Misdetermined.
- Ophion macrurum* French, Rpt. State Ent. on Noxious and Beneficial Insects Ill., 1878, 7: 194. [host *h*, Ill.] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 350). ♂, ♀. [key, syn., des.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1880, 3: 134. [biol., host *c*] Misdetermined.
- Ophion macrurum* Saunders, Canad. Ent., 1882, 14: 43. [biol., host *k*] Misdetermined.
- Ophion Macrurum* Clarkson, Canad. Ent., 1883, 15: 162. [host *k*] Misdetermined.

- Ophion macrurum* Saunders, Insects Injurious to Fruits, 1883, p. 78, 175, 212. [fig., biol., host *d h k*] Misdetermined.
- Ophion macrurum* Weed, Papilio, 1884, 4: 112. [host *i*] Misdetermined.
- Ophion macrurum* Waterhouse, Trans. Ent. Soc. London, 1887, Proc. p. XXIII. [host *e*] Misdetermined.
- Ophion macrurus* Fallou, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CXXXII. [host *h*] Misdetermined.
- Ichneumon macrurus* Clément, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CLI. [host *h*] Misdetermined.
- Ophion macrurum* Coquillett, Insect Life, 1889, 1: 286. [Calif.] Misdetermined.
- Ophion macrurum* Webster, Insect Life, 1890, 2: 383. [host *e*] Misdetermined.
- Ophion macrurum* Riley and Howard, Insect Life, 1890, 3: 154. [host *a h k*, D.C.] Misdetermined.
- Ophion macrurum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.] Misdetermined.
- Ophion macrurum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.
- Ophion macrurum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Ophion macrurum* Fyles, Ann. Rpt. State Ent. Minn., 1894, 25: 55. [fig., biol.] Misdetermined.
- Ophion macrurum* Evans, Canad. Ent., 1896, 28: 10. [Ont.] Misdetermined.
- Ophion macrurum* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. [key, des.] Misdetermined.
- Ophion macrurum* Webster, Bull. Ohio Agr. Exp. Sta., 1897, 86: 33. [biol., host *h*] Misdetermined.
- Ophion macrurum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J.] Misdetermined.
- Eremotylus Druryi* Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 152. [o.d., host *e f k*, N.Y. (Munich Mus.)]
- Enemotylus* (!) sp. Eliot and Soule, Caterpillars and their Moths, 1902, p. 56. [fig., biol.]
- Ophion macrurum* Howard, The Insect Book, 1902, plate 9, fig. 8. Misdetermined.
- Eremotylus macrurus* Felt, Bull. N.Y. State Mus., 1904, 76: 101-104. [key, syn., des., fig., biol., host *a c d e f h i k*, D.C., Mass., N.Y., Ont.] Misdetermined.
- Allocamptus macrurus* Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.] Misdetermined.
- Ophion macrurum* Smith, Jour. Econ. Ent., 1908, 1: 294-297. [biol., host *h*, N.J., N.Y.] Misdetermined.
- Ophion bilineatus* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *h k*, Me.] Misdetermined.

- Ophion macrurus* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 453-459. [host *e h k*, parasite *a b*] Misdetermined.
- Ophion macrurus* Schulz, Zool. Annal., 1911, 4: 7, 8. [fig., parasite *c*] Misdetermined.
- Eremotylus macrurus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [key, syn., des., biol., host *c f h k*, Ark., Calif., Fla., Ill., Ind., Md., Mexico, Mich., Minn., N.H., N.J., N.Y., N.C., Ont., Pa., R.I., Tex.] Misdetermined.
- Allocamptus macrurus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 24. [syn., des., host *e f g h*, Del., Mexico] Misdetermined.
- Ophion macrurus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.] Misdetermined.
- Ophion (Allocamptus) macrurus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, fig., host *h*, Conn.] Misdetermined.
- Eremotylus macrurus* (as *Allocamptus* p. 174) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.] Misdetermined.
- Ophion macrurus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.] Misdetermined.
- Eremotylus macrurus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.
- Enicospilus macrurus* Essig, Insects of Western N. Amer., 1926, p. 792, 793. [des., fig., biol., host *j k*, Calif.] Misdetermined.
- Eremotylus macrurus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.] Misdetermined.
- Eremotylus macrurus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.] Misdetermined.
- Eremotylus macrurus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.] Misdetermined.
- Eremotylus macrurus* Montgomery, Canad. Ent., 1933, 65: 185. [host *h k*, Ind.] Misdetermined.
- Eremotylus macrurus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *b d e f h k l*, Conn., Me., N.H., N.J., N.Y., Pa., R.I., Vt.] Misdetermined.
- Eremotylus macrurus* (!) Brimley, Insects of N.C., 1938, p. 414. [N.C.] Misdetermined.
- Eremotylus macrurus* Beaulne, Canad. Ent., 1939, 71: 120. [host *k*, Que.] Misdetermined.

ZANOLIDAE: *a*, *Apatelodes torrefacta*. PHALAENIDAE: *b*, *Acronicta* sp. ARCTIIDAE: *c*, *Isia isabella*. SATURNIIDAE: *d*, *Automeris io*; *e*, *Calosamia promethea*; *f*, *Philosamia walkeri advena*; *g*, *Rothschildia orizaba*; *h*, *Samia cecropia*; *i*, *Samia columbia*; *j*, *Samia rubra*; *k*, *Telega polyphemus*; *l*, *Tropaea luna*.

PARASITES. ICHNEUMONIDAE: *a*, *Gelis tenellus*; *b*, *Theronia atalantae*. TRIGONALIDAE: *c*, *Lycogaster pullata*.

Enicospilus appendiculatus (Felt)

Ophion (*Enicospilus*) *appendiculatum* Felt, Psyche, 1902, 9: 308. (sex?).
[o.d., ?N.J. (N.Y. State Mus.)]

Enicospilus appendiculatus Felt, Bull. N.Y. State Mus., 1904, 76: 113. [key, des., fig., Ala.]

Henicospilus appendiculatus Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Enicospilus flavus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 71. [key, syn., des., fig., biol.] In part.

Henicospilus appendiculatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37. [key]

?*Enicospilus flavus* Brimley, Insects of N.C., 1938, p. 414. [N.C.] Mis-determined?

Enicospilus arcuatus (Felt)

Ophion (*Enicospilus*) *arcuatum* Felt, Psyche, 1902, 9: 307. (no sex given).
[o.d., Albany, N.Y.; Ithaca, N.Y.; S. Britain, Conn. (N.Y. State Mus.), Ga., Mass., N.H.]

Enicospilus arcuatus Felt, Bull. N.Y. State Mus., 1904, 76: 112. [key, des., fig., Conn., Ga., Ill., Mass., N.H., N.Y.]

Henicospilus arenatus (!) Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Enicospilus purgatus arcuatus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 76. [key, des., host c]

Henicospilus arcuatus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37. [key]

Ophion (*Enicospilus*) *arcuatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]

Eremotylus arcuatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

Enicospilus purgatus var. *arcuatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Enicospilus purgatus arcuatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host a b, Conn., Me., Mass., N.H., N.Y.]

Enicospilus arcuatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: a, *Heterocampa guttivitta*; b, *Schizura concinna*. PHALAENIDAE: c, *Scoliopteryx libatrix*.

Enicospilus concolor (Cresson) *

Ophion concolor Cresson, Proc. Ent. Soc. Phila., 1865, 4: 56. (♀). [o.d., Cuba (A.N.S.P.)]

Ophion (*Enicospilus*) *concolor* Cameron, Biol. Centr.-Amer., 1886, Hymen. 1: 291. [des., fig., Guatemala]

* The following Nearctic material is in the Townes Collection: ♂ Manatee Co., Fla., I—3—25, T. H. Hubbell; ♀ Miami, Fla., XI—6—40, L. L. Pechuman.

Enicospilus cubensis (Norton) *

Ophion cubensis Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♀. [o.d., Cuba (A.N.S.P.)]

Enicospilus cubensis Ashmead, Trans. Ent. Soc. London, 1900, p. 354. [syn., Grenada, Jamaica, Mauritius, St. Vincent]

Enicospilus cubitalis (Morley) new combination

Allocamptus cubitalis Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 25. ♀. [o.d., St. Johns Bluff in east Florida, Jamaica, Chilpancingo at 4600 ft. in Guerrero, Mexico (British Mus.)]

Enicospilus glabratus (Say)

Ophion glabratus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

Ophion glabratus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 695). [o.d., Ind. (type destroyed)]

Ophion glabratus Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., N.Y.]

Ophion glabratus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [key]

Ophion glabratus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion arctiae Riley and Howard, Insect Life, 1890, 1: 155. [host *c f g*, Calif., Ga., S.C.] Nomen nudum.

Ophion glabratum Riley and Howard, Insect Life, 1890, 3: 155. [host *e*]

Eremotylus arctiae Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. ♂, ♀. [o.d., host *b c g i*, Ala., Calif., Miss., N.J., Tenn. (U.S.N.M.)]

Orphion (!) *macrurum* Morgan, Bull. La. Agr. Exp. Sta., 1897, 48: 159. [host *a*, La.] Misdetermined.

Eremotylus arctiae Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., Pa.]

Eremotylus arctiae Morgan, Bull. U. S. Dept. Agr., Office Exp. Sta., 1901, 99: 183. [fig., host *a*, La.]

Eremotylus arctiae Felt, Bull. N.Y. State Mus., 1904, 76: 105. [key, des., host *d h*, Calif., Mass., Mich., Ont., Pa., Tex.]

Eremotylus glabratus Felt, Bull. N.Y. State Mus., 1904, 76: 106. [key, des.]

Henicospilus lateralis Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

Eremotylus arctiae Hooker, Trans. Amer. Ent. Soc., 1912, 38: 146. [key, des., biol., host *d*, Ala., Calif., Ga., Ind., Kans., Pa., Tenn., Tex.]

Eremotylus macrurus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [syn.] In part.

Ophion glabratus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 60. [key, des.]

Eremotylus arctiae Mitchell, Ent. News, 1919, 30: 194. [host *b*, Tex.]

* The following Nearctic material is in the Townes Collection: ♂ Dade Co., Fla., Mar., 1938, F. W. Fisk; ♀ Miami, Fla., X—12—40, L. L. Pechuman.

Eremotylus glabratus Cushman and Gahan, Proc. Ent. Soc. Wash., 1922, 23: 170. [syn., des.]

Eremotylus glabratus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

Eremotylus arctiae Brimley, Insects of N.C., 1938, p. 414. [N.C.]

LASIOCAMPIDAE: a, *Artace cribaria*. ARCTIIDAE: b, *Diacrisia virginica*; c, *Ecpantheria deflorata*; d, *Halisidota maculata*; e, *Hyphantria cunea*; f, *Isia isabella*. SATURNIIDAE: g, *Automeris io*; h, *Callosamia promethea*. MISCELLANEOUS: i, cocoon under bark of *Pinus* sp.

***Enicospilus purgatus* (Say)**

Ophion purgatus Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 694). [o.d., Ind. (type destroyed)]

Ophion lateralis Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 141. [o.d., Carolina (Paris Mus.)]

Ophion purgatus? Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 197. [des., fig.]

Ophion purgatus Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [syn., Fla., Ill., New England, N.Y., Pa.]

Ophion purgatus Riley, Ann. Rpt. Insects Mo., 1870, 2: 53. [syn., des., fig., biol., host *i*, Carolina, Ill., Ind., Me., Mass., Mo., N.Y.]

Ophion purgatus Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

Ophion purgatus Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.]

Ophion purgatus Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host *i*]

Ophion purgatus Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des.]

Ophion purgatus Thomas, Rpt. on the Noxious and Beneficial Insects Ill., 1881, 10: 41. [biol., host *i*, Ill.]

Ophion purgatus Caulfield, Canad. Ent., 1884, 16: 123. [host *f*, Que.]

Ophion purgatus Provancher, Nat. Canad., 1887, 16: 34. [Que.]

Ophion purgatum Fletcher, Rpt. Exp. Farms Canada for 1888, 1889, p. 57. [host *o*, Ont.]

Ophion purgatus Provancher, Nat. Canad., 1889, 19: 248. [Que.]

Ophion purgatum Fletcher, Ann. Rpt. Ent. Soc. Ont., 1889, 19: 10. [host *o*, Ont.]

Ophion purgatus Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 269. [host *d*]

Ophion purgatus Webster, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 46. [host *i n*, Ind.]

Ophion purgatum Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

Ophion purgatus Riley and Howard, Insect Life, 1890, 3: 155. [host *d o*, Ala., Ariz., Calif., Mo., Va.]

Ophion purgatum Webster, Insect Life, 1890, 2: 382. [host *n*]

Ophion purgatum Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

- Ophion purgatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion* (!) *purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ophion purgatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion purgatum* Lugger, Bull. Minn. Agr. Exp. Sta., 1896, 48: 45, 46. [biol., host *i*, Minn.]
- Enicospilus purgatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]
- Ericospilus* (!) *purgatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Enicospilus purgatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J., N.Y.]
- Enicospilus purgatus* Howard, The Insect Book, 1902, plate 10, fig. 19.
- Enicospilus purgatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Enicospilus purgatus* Felt, Bull. N.Y. State Mus., 1904, 76: 108-111. [key, des., biol., host *c f p*, Alaska, Ariz., B.C., Calif., Colo., Ga., Kans., Man., Mass., Mich., Mo., N.H., N.M., N.Y., Ont., Ore., Tex., Va., Wash., Wyo.]
- Ophion purgatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Henicospilus purgatus* Schulz, Spolia Hymen., 1906, p. 98. [syn.]
- Ophion purgatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Enicospilus purgatus* Viereck, Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]
- Enicospilus purgatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 79. [key, syn., des., fig., biol., host *e*, Ala., Alaska, Argentina, Ariz., Calif., Canada, Colo., D.C., Ga., Mass., Mexico, Mich., Mo., Nev., N.H., N.Y., Pa., Tex., Va., Wis.]
- Henicospilus purgatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 33, 37. [key, syn., des., Barbados, British Guiana, Colo., Fla., Grenada, Juan Fernandez, Lake Huron, Nicaragua, St. Vincent, N.S.] In part.
- Enicospilus purgatus* Dew, Jour. Econ. Ent., 1913, 6: 365. [host *k*, Ala.]
- Henicospilus purgatus* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [syn.] In part.
- Enicospilus purgatus* Vickery, Jour. Econ. Ent., 1915, 8: 391, 392. [biol., host *g h i*, Tex.]
- Enicospilus purgatus* Hinds and Dew, Bull. Ala. Agr. Exp. Sta., 1915, 186: 87, 89. [fig., biol., host *k*, Ala.]
- Enicospilus purgatus* Walton, Farmers' Bull. U. S. Dept. Agr., 1916, 731: 3. [fig., host *i*]
- Ophion purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Ophion* (*Enicospilus*) *purgatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]
- Enicospilus purgatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Enicospilus purgatus* Jones, Bull. U. S. Dept. Agr., 1918, 703: 12. [host *j*, La.]
Enicospilus purgatus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [Carolina]
Enicospilus purgatus Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *g i*, Tex.]
Enicospilus purgatus Collins, Jour. Agr. Res., 1926, 32: 693. [host *b*, New England]
Enicospilus purgatus Vickery, Jour. Agr. Res., 1926, 32: 1115. [biol., host *g i*, Tex.]
Enicospilus purgatus Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
Enicospilus purgatus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
Enicospilus purgatus Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
Enicospilus purgatus Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *k*, Ala., S.C., Tex.]
Enicospilus purgatus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
Enicospilus purgatus Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Enicospilus purgatus Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *j l m*]
Enicospilus purgatus Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [host *f*, Mass.]
Enicospilus purgatus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *f*, Mass.]
Enicospilus purgatus Brimley, Insects of N.C., 1938, p. 414. [N.C.]
Enicospilus purgatus Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

DREPANIDAE: *a*, *Drepana bilineata*. NOTODONTIDAE: *b*, *Heterocampa guttivitta*; *c*, *Schizura concinna*; *d*, *Schizura unicornis*. PHALAENIDAE: *e*, *Alabama argillacea*; *f*, *Ceramica picta*; *g*, *Cirphis latiuscula*; *h*, *Cirphis multilinea*; *i*, *Cirphis unipuncta*; *j*, *Feltia subterranea*; *k*, *Laphygma frugiperda*; *l*, *Peridromia margaritosa*; *m*, *Prodenia ornithogalli*; *n*, *Scoliopteryx libatrix*; *o*, *Scotogramma trifolii*. TEPHRITIDAE: *p*, *Eurosta solidaginis*.

***Enicospilus texanus* (Ashmead) new combination**

- Thyreodon texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♂. [o.d., Tex. (U.S.N.M.)]
Eremotylus texanus Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]
 In part.
Eremotylus texanus Howard, The Insect Book, 1902, plate 9, fig. 5.
Eremotylus texanus Hooker, Trans. Amer. Ent. Soc., 1912, 38: 156. [key, des.]
Macrophion texanus Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 14. [key]
Eremotylus texanus Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

RHYNCHOPHION Enderlein

Rhynchophion Enderlein, Zool. Anz., 1912, 39: 630.

Genotype: *Rhynchophion odontandroplax* Enderlein.

Rhynchophion flammipennis (Ashmead) * new combination

Thyreodon flammipennis Ashmead, Proc. Calif. Acad. Sci., 1894, (2), 4: 125.

♀. [o.d., El Taste, Baja California, Mexico, 3500 ft. (?Calif. Acad. Sci.)]

Thyreodon flammipennis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 129. [key, des., Mexico]

Thyreodon flammipennis Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 12. [key, Mexico]

THYREODON Brullé

Thyreodon Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 150.

Genotype: *Thyreodon cyaneus* Brullé.

Oleter Shestakov, Konowia, 1926, 5: 259. New synonymy.

Genotype: (*Oleter selenaction* Shestakov) = *laticinctus* Cresson. New synonymy.

Thyreodon atricolor atricolor (Olivier)

Ophion atricolor Olivier, Encycl. Méthod. Insectes, 1811, 8: 511. ♀. [o.d., Carolina (location of type unknown)]

Ophion morio Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835. p. 585. [Mass.] Misdetermined.

Thyreodon morio Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 152. ♀. [des., Carolina] Misdetermined.

Thyreodon morio Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., Ill., New England, N.Y., Pa.] Misdetermined.

Ophion morio Walsh, Amer. Ent., 1868, 1: 7. [biol.] Misdetermined.

Thyreodon morio Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [Tex.] Misdetermined.

Thyreodon noir (!) Provancher, Nat. Canad., 1876, 8: 317. [Que.] Misdetermined.

Thyreodon morio Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 352). ♀. [des.] Misdetermined.

Thyreodon morio Dimmock, Psyche, 1884, 4: 282. [biol., host *b*, parasite ?*a*, Mass.] Misdetermined.

Thyreodon morio Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.

Thyreodon morio Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 489. [host *b*, Mass.] Misdetermined.

* I have seen the following Nearctic material: ♀ Huachuca Mts., Ariz., VII—28—07, Jas. S. Hine (Townes Coll.); ♀ Douglas, Ariz., VIII—22—32, W. W. Jones (U.S.N.M.); 2 ♂ Douglas, Ariz., VIII—2—33, W. W. Jones (U.S.N.M.); ♀ Tucson, Ariz. (U.S.N.M.).

- Thyreodon morio* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Conn., D.C., Mass., Mo.] Misdetermined.
- Thyreodon morio* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, Mass., N.H.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 156. [biol., parasite *a*] Misdetermined.
- Thyreodon morio* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.] Misdetermined.
- Thyreodon morio* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.] Misdetermined.
- Thyreodon morio* Howard, The Insect Book, 1902, plate 10, fig. 15. Misdetermined.
- Thyreodon morio* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.] Misdetermined.
- Thyreodon morio* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.] Misdetermined.
- Thyreodon morio* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.] Misdetermined.
- Thyreodon morio* Enderlein, Zool. Anz., 1912, 39: 627. [N.Y.] Misdetermined.
- Thyreodon morio* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 118. [key, syn., des., biol., host *a b*, Ariz., Colo., Fla., Kans., Me., Man., Ohio, Pa., Que., Tex.] Misdetermined.
- Thyreodon morio* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 10. [key, syn., Fla., N.Y.] Misdetermined.
- Thyreodon morio* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.] Misdetermined.
- Thyreodon brullei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [des., Conn., new name for *Thyreodon morio* of authors]
- Thyreodon brullei* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 170. [fig.]
- Thyreodon morio* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.] Misdetermined.
- Thyreodon atricolor* Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]
- Thyreodon atricolor* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Thyreodon brullei* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Thyreodon brullei* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Thyreodon atricolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]
- Thyreodon atricolor* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SPHINGIDAE: *a*, *Lapara coniferarum*; *b*, *Paonias excaecatus*.

PARASITE. CHALCIDIDAE: *a*, *Epiencyrtus thyreodontis*.

Thyreodon atricolor flavicorne (Say) new combination

Anomalon flavicornis Say, West. Quart. Rpt., 1823, 2: 73; (Leconte Ed., 1: 163).

[o.d., "Arkansa near the Rocky Mts." (type destroyed)]

Anomalon flavicornis Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]

Ophion flavicornis Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [syn.]

Anomalon flavicorne Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo.]

Anomalon flavicorne Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

Thyreodon snowi Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. ♀. [o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)] New synonymy.

Thyreodon morio transitionalis Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)] New synonymy.

Thyreodon snowi Hooker, Trans. Amer. Ent. Soc., 1912, 38: 125. [key, des.]

Thyreodon morio transitionalis Hooker, Trans. Amer. Ent. Soc., 1912, 38: 132. [key, des., Ariz., Kans., Minn., Mo.]

Heteropelma fulvicorne (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68. [key, syn. (in part), des.]

Thyreodon bruelleri (!) var. *transitionalis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

Thyreodon flavicornis Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 156. [syn., des.]

GEOMETRIDAE: *a*, geometrid on black oak.

Thyreodon fernaldi Hooker

Thyreodon fernaldi Hooker, Trans. Amer. Ent. Soc., 1912, 38: 131. ♂, ♀. [key, o.d., Colo., Ariz., & Mexico (A.N.S.P. and U.S.N.M.)]

Subfamily 12. MESOCHORINAE

CIDAPHUS Foerster

Cidaphus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 149.

Genotype: *Cidaphus thuringiacus* Brauns.

Plesiophthalmus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170. Preoccupied by Motschoulsky, 1858.

Genotype: *Mesochorus alarius* Gravenhorst.

Mater Schulz, Zool. Ann., 1911, 4: 22 [new name for *Plesiophthalmus* Foerster]

Tetragonalys Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 132.

Genotype: *Tetragonalys barbarica* Morley. By designation of Morley, Fauna Brit. India, 1913, Hymen., 3: 339.

Plesiophthalmidea Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119.

Genotype: *Plesiophthalmus paniscoides* Ashmead.

Ophthalmochorus Roman, Archiv für Zoológi, 1925, 17, A, no. 4: 29. [new name for *Plesiophthalmus* Foerster]

***Cidaphus australis* Cushman**

Cidaphus australis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 6. ♀.
[key, o.d., Langdale, Chambers Co., Ala. (U.S.N.M.)]

Cidaphus melleus Walley, Canad. Ent., 1935, 67: 112. ♂, ♀. [o.d., Mer Bleue (Ottawa Region), Ont. (C.N.C.)] New synonymy.

Cidaphus australis Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Cidaphus occidentalis* Cushman**

Cidaphus occidentalis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5. ♀.
[key, o.d., fig., Revelstoke, B.C. (U.S.N.M.), Wash.]

Cidaphus occidentalis Walley, Canad. Ent., 1935, 67: 111. [des., Alta., B.C., Que.]

***Cidaphus paniscoides* (Ashmead)**

Plesiophthalmus paniscoides Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Mass. (U.S.N.M.)]

Plesiophthalmus paniscoides Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]

Plesiophthalmidea paniscoides Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119. [syn.]

Cidaphus paniscoides Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5.
[key, fig., Md., Mass., N.H., N.Y., Pa.]

Cidaphus paniscoides Walley, Canad. Ent., 1935, 67: 111. [Ont.]

ASTIPHROMMA Foerster

Astiphromma Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 24: 170.
Genotype: *Mesochorus scutellatus* Gravenhorst.

Astiphrommus Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327.

Genotype: *Mesochorus scutellatus* Gravenhorst.

***Astiphromma pectorale* Ashmead**

Astiphromma pectoralis Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Tex. (U.S.N.M.)]

Astiphromma pectoralis Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Astiphromma strenuum* (Holmgren)**

Mesochorus strenuus Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 119. ♂, ♀. [o.d., Sweden, Norway (?Stockholm Mus.)]

Plectiscus pleuralis Provancher, Nat. Canad., 1875, 7: 330. ♂ (not ♀).
[o.d., Que. (M.P.Q.)] New synonymy.

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- Mesochorus pleuralis* Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).
 ♂ (not ♀). [key, des.]
- Mesochorus pleuralis* Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791).
 [key]
- Plectiscus pleuralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]
- Plectiscus pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂ (not ♀).
 [key, des.]
- Plectiscus provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 24. [new name for
Plectiscus pleuralis Provancher]
- Astiphromma strenuus* Dalla Torre, Cat. Hymen., 1901, 3: 61. [syn.]
- Mesochorus orcae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♂. [key,
 o.d., Orca, Alaska (U.S.N.M.)]
- Plectiscidea pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276.
 [key]
- Plectiscus pleuralis* Bradley, Canad. Ent., 1939, 71: 95. [syn.]
- Astiphromma pleuralis* Townes, Canad. Ent., 1939, 71: 96. [syn.]

MESOCHORUS Gravenhorst

- Mesochorus* Gravenhorst, Ichneum. Europeae, 1829, 2: 960.
 Genotype: *Mesochorus splendidulus* Gravenhorst.
- Stictopisthus* Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327. New synonymy.
 Genotype: *Mesochorus bilineatus* Thomson.

Mesochorus agilis Cresson

- Mesochorus agilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 266. ♀. [o.d.,
 Colo. (A.N.S.P.)]
- Mesochorus agilis* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, des.]
- Mesochorus agilis* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Mesochrus* (!) *agilis* Gillette, Bull. Colo. Agr. Exp. Sta., 1905, 98: 11. [fig.,
 host *a*, Colo.]
- Mesochorus agilis* Paddock, Jour. Econ. Ent., 1912, 5: 442. [host *a*]
- Mesochorus agilis* Swenk, Bull. State Ent. Neb., 1918, 7: 8. [host *a*, Neb.]
- Mesochorus agilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959.
 [N.Y.]
- BRACONIDAE: *a*, *Bracon vulgaris*.

Mesochorus atriventris Cresson

- Mesochorus atriventris* Cresson, Canad. Ent., 1872, 4: 21. ♂. [key, o.d., Ill.
 (A.N.S.P.)]
- Mesochorus atriventris* Provancher, Nat. Canad., 1879, 11: 208; (Faune, p. 381). ♀. [key, des., Que.] Not *Mesochorus atriventris* of Cresson.
- Mesochorus atriventris* Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
 ♀. [key, syn., des., Que.]

Mesochorus politus Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Gravenhorst, 1829. New synonymy.

Mesochorus provancheri Dalla Torre, Cat. Hymen., 1901, 3: 57. [new name for *Mesochorus politus* Provancher]

Mesochorus politus Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Mesochorus provancheri Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

Mesochorus atriventris Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

***Mesochorus calais* Viereck**

Mesochorus calais Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280.
(♀). [o.d. in key, Yalesville, Conn. (Conn. Agr. Exp. Sta.)]

***Mesochorus discitergus* (Say)**

Cryptus discitergus Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 689). ♀. [o.d., Ind. (type destroyed)]

Mesochorus vitreus Walsh, Trans. Ill. State Agr. Soc., 1861, 4: 364, 368. ♂, ♀.
[o.d., fig., host *b*, Schuyler Co. and Rock Island Co., Ill. (U.S.N.M.)] New synonymy.

Mesochorus vitreus Riley, Ann. Rpt. Insects Mo., 1870, 2: 52. ♂, ♀. [des., fig., host *b*]

Mesochorus vitreus Cresson, Canad. Ent., 1872, 4: 23. ♂. [key, des.]

Mesochorus americanus Cresson, Canad. Ent., 1872, 4: 23. ♀. [key, o.d., Del. (A.N.S.P.), Ill., Pa.] New synonymy.

Mesochorus obliquus Cresson, Canad. Ent., 1872, 4: 24. ♀. [key, o.d., Pa. (A.N.S.P.)] New synonymy.

Mesochorus scitulus Cresson, Canad. Ent., 1872, 4: 24. ♂, ♀. [key, o.d., host ?*l*, Pa. (A.N.S.P.)] New synonymy.

Mesochorus vitreus Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host *b*]

Mesochorus vitreus Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1883, 3: 127.
[host *p*]

Mesochorus scitulus Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1882. [key, host *e*, Mo.]

Mesochorus americanus Riley and Howard, Insect life, 1890, 3: 155. [host *l*, D.C.]

Mesochorus obliquus Riley and Howard, Insect Life, 1890, 3: 156. [host *c*, D.C., Md.]

Mesochorus scitulus Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, Ill., Ind.]

Mesochorus aprilius Riley and Howard, Insect Life, 1890, 3: 156. [host *f*, D.C.] Nomen nudum.

- Mesochorus pulchellus* Cook and Davis, Bull. Mich. Agr. Exp. Sta., 1891, 73: 10. ♀. [o.d., fig., host *k*, (Agricultural College, Mich.) (Mich. State College)] New synonymy.
- Mesochorus scitulus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Mesochorus americanus* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Mesochorus aprilinus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♀. [o.d., host *f*, Conn., D.C., Ill., Mass., N.J., N.Y. (U.S.N.M.)] New synonymy.
- Mesochorus vitreus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *f i*, N.H.]
- Mesochorus frontalis* Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336. ♂. [o.d., Bering Is., Alaska (U.S.N.M.)] New synonymy.
- Mesochorus scitulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [host *d*, N.J.]
- Mesochorus frontalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. [key, Alaska]
- Mesochorus americanus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus aprilinus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus americanus* Quaintance and Brues, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 50: 122. [host *n*]
- Mesochorus nigrisignus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♀. [o.d., host ?*o*, Grand River, Ia. (U.S.N.M.)] New synonymy.
- Mesochorus infernalis* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♂. [o.d., host *g*, Santa Maria, Tex. (U.S.N.M.)] New synonymy.
- Mesochorus nigrisignis* Webster, Jour. Econ. Ent., 1912, 5: 336. [host *o*, Ia.]
- Mesochorus vitreus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 86. [host *j*, Ont.]
- Mesochorus aprilinus* Webster, Bull. Ia. State Col. Agr. Exp. Sta., 1915, 155: 388. [host *f*, Ia.]
- Mesochorus scitulus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host *a*]
- Mesochorus aprilinus* Howard and Chittenden, Farmer's Bull. U. S. Dept. Agr., 1916, 705: 5. [host *m*]
- Mesochorus scitulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus aprilinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *f*]
- Mesochorus vitreus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *b*]
- Mesochorus obliquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, Del., Ill., Pa.]

Mesochorus discitergus Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn.]

Mesochorus vitreus Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 18. [biol., host *h*]

Mesochorus aprilinus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

Mesochorus obliquus Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

Mesochorus vitreus Proper, Jour. Agr. Res., 1934, 48: 362. [host *h*]

PYRAUSTIDAE: a, *Desmia funeralis*. PHALAEINIDAE: b, *Cirphis unipuncta*. ARCTIIDAE: c, *Euchaetias egle*. SPHINGIDAE: d, *Smerinthus jamaicensis*. PIERIDAE: e, secondary on *Colias notatus notatus*. BRACONIDAE: f, *Apanteles congregatus*; g, ?*Apanteles flaviconchae*; h, *Apanteles melanoscelus*; i, *Apanteles smerinthus*; j, ?*Apanteles* sp.; k, *Meteorus communis*; l, *Microgaster* sp.; m, *Microplitis ceratoniae*; n, *Microplitis croceipes*; o, *Microplitis melianae*; p, Microgasterinae.

Mesochorus diversicolor Viereck

Mesochorus diversicolor Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. ♂, ♀. [o.d., Duncan, B.C. (U.S.N.M.)]

Mesochorus electilis Cresson

Mesochorus electilis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

Mesochorus electilis Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 13. [host *a*, Tex.]

PYRAUSTIDAE: a, *Loxostege similis*.

Mesochorus flaviceps Provancher

Mesochorus flaviceps Provancher, Nat. Canad., 1879, 11: 210; (Faune, p. 382). ♀. [key, o.d., Que. (M.P.Q.)]

Mesochorus flaviceps Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791). [key]

Mesochorus hamatus new name

Mesochorus basalis Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., Mass. (A.N.S.P.)] Preoccupied by Curtis, 1833.

Mesochorus basalis Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

Mesochorus basalis Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

Mesochorus basalis Schedl, Canad. Ent., 1932, 64: 2. [host *a*, B.C.]

GEOMETRIDAE: a, *Lambdina fiscellaria fiscellaria*.

Mesochorus iridescens Cresson

Mesochorus iridescens Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀. [o.d., Calif. (A.N.S.P.)]

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Mesochorus jucundus Provancher

Mesochorus jucundus Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

Mesochorus rufulus Townes, Lloydia, 1938, 1: 222. [syn.] In part.

Mesochorus jucundus Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Mesochorus kincaidi Ashmead

Mesochorus kincaidi Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 238. ♀.

[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

Mesochorus luteipes Cresson

Mesochorus luteipes Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., N.J. (A.N.S.P.)]

Mesochorus luteipes Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, des., Que.]

Mesochorus luteipes Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, N.H.]

Mesochorus luteipes Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

Mesochorus luteipes Nason, Ent. News, 1905, 16: 168. [Ill.]

Mesochorus luteipes Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

Mesochorus luteipes Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

NOTODONTIDAE: *a*, "Notodonta" sp. on *Populus tremuloides*.

Mesochorus melleus Cresson

Mesochorus melleus Cresson, Canad. Ent., 1872, 4: 24. ♂. [key, o.d., Pa. (A.N.S.P.)]

Mesochorus melleus Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 7. [host *a*, S.D.]

Mesochorus melleus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

CIMBICIDAE: *a*, *Cimbex americana*.

Mesochorus noctivagus Viereck

Mesochorus noctivagus Viereck, Trans. Kans. Acad. Sci., 1905, 19: 303. ♀.

[o.d., Lawrence, Kans. (Univ. Kans)]

Mesochorus ottawensis (Harrington) new combination

Ischyrocnemis ottawensis Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., Ottawa, Ont. (C.N.C.)]

Rhorus ottawaensis Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♀. [key, des., Ont.]

Mesochorus perniciosus Viereck

Mesochorus perniciosus Viereck, Proc. U. S. Nat. Mus., 1911, 39: 407. ♀.
[o.d., host *a*, Rocky Ford, Colo. (U.S.N.M.)]

BRACONIDAE: *a*, ?*Apanteles laeviceps*.

Mesochorus pieridicolus (Packard)

Campoplex pieridicola Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 20.
♂ (not ♀). [o.d., host *a*, no locality given (M.C.Z.)]

Mesochorus pieridicolus Howard, in Scudder: Butterflies of Eastern U. S. and
Canada, 1889, 3: 1882. [key]

Mesochorus pieridicola Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:
280. [key, host *b*]

PIERIDAE: *a*, *Pieris rapae*. BRACONIDAE: *b*, ?*Apanteles congregatus*.

Mesochorus tachinae Ashmead

Mesochorus tachinae Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*,
N.H.]

Mesochorus tachinae Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♀. [o.d.,
host *a*, Canobie Lake, N.H. (U.S.N.M.)]

TACHINIDAE: *a*, tachinid.

Mesochorus thomsonii Dalla Torre

Mesochorus nigriceps Thomson, Ann. Soc. Ent. France, 1885, (6), 5: 334. ♂,
♀. [o.d., northern and central Europe (?Lund Mus.)] Preoccupied by
Brischke, 1880.

Mesochorus sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

Mesochorus gibbulus? Lundbeck, Vidensk. Medd. Nat. For. København (1896),
1897, p. 240. [Greenland] Misdetermined.

Mesochorus thomsonii Dalla Torre, Cat. Hymen., 1901, 3: 59. [new name for
Mesochorus nigriceps Thomson]

Mesochorus gibbulus Nielsen, Meddel. om Grønland, 1907, 29: 388. [Green-
land] Misdetermined.

Mesochorus nigripes Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.,
des., Lundbeck determination queried] Misdetermined.

Mesochorus nigripes Hendriksen and Lundbeck, Meddel. om Grønland, 1918,
22: 542. [syn., Europe, Greenland] Misdetermined.

Mesochorus nigriceps Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9.
[syn., des., Greenland]

Mesochorus nigriceps Poulton, Ann. Mag. Nat. Hist., 1934, (10), 14: 52.
[Labrador]

Mesochorus uniformis Cresson

Mesochorus uniformis Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀.
[o.d., Bosque Co., Tex. (U.S.N.M.)]

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- Paniscus rufulus* Provancher, Nat. Canad., 1876, 8: 328. ♀. [o.d., Que. (M.P.Q.)]
Mesochorus rufulus Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).
 [key, des.]
Mesochorus rufulus Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).
 [key]
 ? *Mesochorus areolatus* Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 793).
 ♀. [key, o.d., Que. (M.P.Q.)]
Astiphromma uniformis Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:
 583. [Pa.]
Mesochorus uniformis Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387.
 [Kans.]
Astiphromma uniformis Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.
 [syn.] In part.
Astiphromma uniformis Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,
 101: 959. [N.Y.]
Mesochorus uniformis Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
Mesochorus rufulus Townes, Lloydia, 1938, 1: 222. [syn.] In part.

GENERA OF UNCERTAIN SUBFAMILY

BRACHYCYRTUS Kriechbaumer

- Brachycyrtus* Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1880, 34:
 161.
 Genotype: *Brachycyrtus ornatus* Kriechbaumer.
Proterocryptus Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 174.
 Genotype: *Proterocryptus nawaii* Ashmead.
Vakau Cheesman, Ann. Mag. Nat. Hist., 1928, (10), 1: 189. New synonymy.
 Genotype: *Vakau taitensis* Cheesman.
Brachycyrtomorpha Kreibohm de la Vega, Rev. Industrial y Agricola de Tucuman,
 1940, 3: 170. New synonymy.
 Genotype: *Brachycyrtomorpha crossi* Kreibohm de la Vega.

Brachycyrtus chrysopae Walley

- Brachycyrtus chrysopae* Walley, Canad. Ent., 1940, 72: 86. ♀. [o.d., host *a*,
 near Bayne's Lake, B.C. (C.N.C.)]
 CHRYSOPIDAE: *a*, chrysopid.

Brachycyrtus pretiosus Cushman

- Brachycyrtus pretiosus* Cushman, Proc. U. S. Nat. Mus., 1936, 84: 19. ♂, ♀.
 [key, o.d., fig., Hillsboro Co., Fla. (U.S.N.M.)]

NEORHACODES Hedicke

Rhacodes Ruschka, Arch. Naturg., 1922, 88, A, 5: 138. Preoccupied by Koch, 1856.

Genotype: *Rhacodes enslini* Ruschka.

Neorhacodes Hedicke, Deut. Ent. Ztschr., 1922, p. 427. [new name for *Rhacodes* Ruschke]

Neorhacodes brevicauda Cushman

Neorhacodes brevicauda Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.
[key, o.d., Littlefield, Ariz. (U.S.N.M.)]

Neorhacodes longicauda Cushman

Neorhacodes longicauda Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.
[key, o.d., fig., Four-mile Hill, 8 miles south of Steamboat Springs, Colo. (U.S.N.M.)]

ORTHOPELMA Taschenberg

Orthopelma Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

Proëdrus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

Orthopelma californicum Ashmead

Orthopelma californicum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.
[key, o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

CYNIPIDAE: *a*, gall on *Rosa* sp.

Orthopelma coloradense Ashmead

Orthopelma coloradense Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀.
[key, o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

Orthopelma diastrophii Ashmead

Orthopelma diastrophii Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♂, ♀.
[key, o.d., host *a*, Mo., ?and Westbury, Conn. (U.S.N.M.)]

Orthopelma diastrophii Brodie, Insect Life, 1895, 5: 343. [host *b*, Ont.]

Praedrus (!) *diastrophii* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

Orthopelma diastrophii Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. ♂, ♀. [des., Conn.]

CYNIPIDAE: *a*, *Diastrophus radicum*; *b*, *Diplolepis radicum*.

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Orthopelma erythroga Ashmead

Orthopelma erythroga Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♂.

[key, o.d., Va. (U.S.N.M.)]

Orthopelma erythropus Dalla Torre, Cat. Hymen., 1901, 3: 49. [syn.]

Orthopelma mediator (Thunberg)

Ichneumon Mediator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 269.

[o.d., (?Sweden) (Upsala Mus.)]

Hemiteles luteolator Gravenhorst, Ichneum. Europeae, 1829, 2: 826. ♂, ♀.

[o.d., several localities in Germany (? Breslau Mus.)]

Orthopelma luteolator Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.

[des., host]

Orthopelma minutum Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♀.

[key, o.d., host *e*, Jamaica Plains, N.Y. (U.S.N.M.)] New synonymy.

Orthopelma rosaecola Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.

[key, o.d., host *b*, ?Colo. (U.S.N.M.)] New synonymy.

Orthopelma minutum Riley and Howard, Insect Life, 1890, 3: 154. [host *d*, Mass.]

Orthopelma rosaecola Riley and Howard, Insect Life, 1890, 3: 154. [host *b*, Ut.]

Orthopelma luteolator Brodie, Insect Life, 1893, 5: 343. [host *a c*, Ont.]

?*Orthopelma thompsoni* Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 157. ♂, ♀.

[o.d., host *c*, Worcester, Mass. (Milwaukee Public Mus.)] New synonymy.

Orthopelma mediator Roman, Zool. Bidrag Från Uppsala, 1912, 1: 267. [syn.]

Orthopelma luteolator Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.

[des., host *c*, Mass.]

Orthopelma luteolata (!) Champlain, Psyche, 1922, 29: 96. [host *f*, Pa.]

Orthopelma mediator Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host *c*, Que.]

Orthopelma luteolator Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

Orthopelma luteator (!) Peck, Canad. Jour. Res., 1937, D, 15: 247. [fig. ♂ genitalia]

CYNIPIDAE: *a*, *Diastrophus turgidus*; *b*, *Diplolepis ignota*; *c*, *Diplolepis rosae*; *d*, *Diplolepis rosaefolii*; *e*, *Diplolepis* sp.; *f*, cynipid gall on *Rosa* sp.

Orthopelma occidentale Ashmead

Orthopelma occidentale Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂.

[key, o.d., host *a*, Hams Fork, Green River, Wyoming Territory (U.S.N.M.)]

Orthopelma occidentalis Riley and Howard, Insect Life, 1890, 3: 154. [host *a*, Ida.]

Orthopelma occidentale Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

Orthopelma occidentale Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

CYNIPIDAE: *a*, *Diplolepis similis*.

Orthopelma ovale (Provancher)

Hemiteles ovalis Provancher, Nat. Canad., 1874, 6: 332. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

Hemiteles ovalis Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 325).

♂, ♀. [key, des.]

Hemiteles ovalis Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781).

[key]

Orthopelma ovalis Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

Orthopelma ovale Dalle Torre, Cat. Hymen., 1901, 3: 50. [syn.]

PHRUDUS Foerster

Subgenus **Phrudus** Foerster

Phrudus Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Phrudus monilicornis* Bridgman.

Ktenostilpnus Strobl, Mitt. Ver. Stiermark, 1901, 37: 256.

Genotype: (*Ktenostilpnus aequarticulatus* Strobl) = ?*monilicornis* Bridgman.

Vendolius Roman, Arkiv för Zoologi, 1914, 9, no. 2: 35.

Genotype: (*Vendolius stilpninus* Roman) = *monilicornis* Bridgman.

Phrudus (Phrudus) dakota Cushman

Phrudus dakota Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 17. ♀.

[o.d., fig., Spearfish, S.D. (U.S.N.M.)]

Subgenus **Mengersenia** Schmiedeknecht

Orona Cameron, Invertebrata Pacifica, 1905, 1: 131. Preoccupied by Haekel, 1887

Genotype: *Orona petiolaris* Cameron.

Mengersenia Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 606. New synonymy.

Genotype: *Mengersenia paradoxa* Schmiedeknecht.

Hambergiella Roman, Naturw. Unters. Sarekgebirges, 1909, 4: 359.

Genotype: *Hambergiella sinuata* Roman.

Phrudus (Mengersenia) exarealatus Cushman, new combination

Phrudus exarealatus Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 19. ♀.

[o.d., Cranberry Lake, N.Y. (U.S.N.M.)]

Phrudus (Mengersenia) petiolaris (Cameron) new combination

Orona petiolaris Cameron, Invertebrata Pacifica, 1903, 1: 131. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)]

Orona petiolaris Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [des.]

ALPHABETICAL LIST OF UNPLACED SPECIES

The generic positions of the following species are uncertain. Except for the species of *Eristicus* (ascribed to the New Zealand fauna) no authentic specimens have been seen and it has not been possible to identify the species or to reach a conclusion about a generic placement from the descriptions.

Anomalon canadense Provancher

Anomalon Canadense Provancher, Nat. Canad., 1874, 6: 174. ♂, ♀. [key, o.d., Que. (type lost)]

Anomalon prismaticum var. *Canadense* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

Anomalon nigrutum Norton

Anomalon nigrutum Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Mass. (type lost)]

Anomalon nigrutum Provancher, Addit. Faune Canada, Hymén., 1886, p. 80. ♂. [key, des., Ont.]

Anomalon nigrutum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, des., Mexico]

Anomalon rufum Provancher

Anomalon rufum Provancher, Nat. Canad., 1874, 6: 174. ♀. [key, o.d., Que. (type lost)]

Anomalon prismaticum var. *rufum* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

Anomalon vivum Cresson

Anomalon vivum Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♀. [o.d., Ore. (type lost)]

Asymmictus nigrofrons Davis

Asymmictus nigrofrons Davis, Trans. Amer. Ent. Soc., 1898, 24: 325. ♀. [o.d., Agricultural College, Mich. (type lost)]

Atractodes provancheri Dalla Torre

Atractodes singularis Provancher, Nat. Canad., 1876, 8: 328. ♂. [o.d., Que. (type lost)] Preoccupied by Foerster, 1876.

Atractodes provancheri Dalla Torre, Cat. Hymen., 1902, 3: 723. [new name for *Atractodes singularis* Provancher]

Atractodes rufipes Provancher

Atractodes rufipes Provancher, Nat. Canad., 1874, 6: 151. ♂, ♀. [key, o.d., Que. (type lost)]

Banchus fulvus (Fabricius) *

Ichneumon fulvus Fabricius, System. Ent., 1775, p. 341. [o.d., "America"
(location of type unknown)]

Banchus fulvus Fabricius, System. Piez., 1804, p. 129. [syn.]

Ichneumon fulvator Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 260.
[new name for *Ichneumon fulvus* Fabricius]

Ichneumon? fulvus Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]

Ichneumon (Trogus) fulvus? Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2,
1835, p. 585. [syn.]

Campoplex arcticus Curtis

Campoplex? Arcticus Curtis, in Ross: Appendix to the Narrative of a Second
Voyage in Search of a North-West Passage . . . 1829-33, 1835, p. LXII.
[o.d. (Arctic America) (location of type unknown)]

Campoplex? arcticus Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

Cratichneumon davisi Bradley

Cratichneumon davisi Bradley, Ztschr. Hymen. Dipt., 1904, 4: 107. ♀. [o.d.,
Colo. (type lost)]

Cremastus piceus Cresson

Cremastus piceus Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,
Bosque Co., Tex. (type lost)]

Cremastus piceus Provancher, Addit. Faune Canada Hymén., 1888, p. 363. ♀.
[des., Que.]

Cremastus piceus Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. ["unrecog-
nizable"]

Cryptus cinctipes Walsh

Cryptus cinctipes Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♂, ♀.
[o.d., (?Ill.) (type destroyed)]

Cryptus rhomboidalis Walsh

Cryptus rhomboidalis Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♀.
[o.d., (?Ill.) (type destroyed)]

Cryptus rufifrons Walsh

Cryptus rufifrons Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 75. ♀. [o.d.,
(?Ill.) (type destroyed)]

* Occurrence in the Nearctic Region needs confirmation

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Cryptus semirufus Brullé

Cryptus semi-rufus Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 195. ♀.
[o.d., N. Amer. (Paris Mus.)]

Eriborus triannulatus Cameron

Eriborus? triannulatus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 245. ♂.
[o.d., Santa Clara Co., Calif. (?British Mus.)]
eriborus? triannulatus Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

Erigorgus lateralis (Brullé)

Anomalon laterale Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 175. ♀.
[o.d., N. Amer. (Paris Mus.)]
Anomalon laterale Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. [des., N.Y.]
Anomalon laterale Provancher, Addit. Faune Canada, Hymén., 1886, p. 81.
♀. [key, des., Que.]
Anomalon laterale Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]
Erigorgus lateralis Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.
[key]
Paranomalon lateralis Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 133.
[Me.]
Paranomalon lateralis Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 2,
no. 3: 104. [Mass.]

Eristicus apicalis Ashmead *

Eristicus apicalis Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♂. [key,
o.d., "Wis." (U.S.N.M.)]
Eristicus basilaris Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key,
o.d., "Wis." (U.S.N.M.)] New synonymy.

Eristicus binotatus Ashmead †

Eristicus binotatus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♂. [key,
o.d., "Wis." (U.S.N.M.)]

* This and the following four species of "*Eristicus*" were described by Ashmead from "Wisconsin." A few years later (Trans. Linn. Soc. N. S. Wales, 1900, p. 348), he transferred three of the species to *Probolus*, at the same time stating that their correct type locality appeared to be New Zealand rather than Wisconsin. This species and the next two are represented in the U. S. National Museum by specimens from New Zealand collected by A. Koebele, probably from the same lot as the types. Very likely *E. erythrogaster* and *E. minutus* are also members of the New Zealand fauna. No attempt has been made to place these species in their proper genera.

† See note under *Eristicus apicalis*.

Eristicus cinctus Ashmead *

Eristicus cinctus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Eristicus erythrogaster Ashmead *

Eristicus erythrogaster Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Eristicus minutus Ashmead *

Eristicus minutus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

Exolytus concamerus Davis

Exolytus concamerus Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mt. Washington, N.H. (type lost)]

Exolytus concamerus Slosson, Ent. News, 1898, 9: 253. [N.H.]

Habronyx flavistigma Davis

Habronyx? flavistigma Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♂. [o.d., N.Y. (type lost)]

Hemiteles cincticornis Ashmead

Hemiteles cincticornis Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♀. [o.d., host *a*, Cusack Ranch, Colo. (type lost)]

BRACONIDAE: *a*, *Apanteles laeviceps*.

Hemiteles clipeator Lundbeck

Hemiteles clipeator Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 228. ♂. [o.d., Sydostbugten, kun en Han, Greenland (Copenhagen Mus.)]

Hemiteles gastricus Holmgren

Hemiteles gastricus Holmgren, Eugenes Resa, 1868, insects, p. 401. ♀. [o.d., Calif. (?Stockholm Mus.)]

Hemiteles texanus Ashmead

Hemiteles texanus Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀. [key, o.d., Tex. (type lost)]

* See note under *Eristicus apicalis*.

Ichneumon assimulator Swederus

Ichneumon assimulator Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.
[o.d., N. Amer. (type lost?)]

Ichneumon astutus Holmgren

Ichneumon astutus Holmgren, Eugenes Resa, 1868, insects, p. 394. ♂. [o.d.,
Calif. (?Stockholm Mus.)]

Ichneumon astutus Cresson, Trans. Amer. Ent. Soc., 1897, 6: 208. ♂. [des.]

Barichneumon astutus Roman, Ent. Tidskr., 1910, 31: 148 [des.]

Ichneumon banchiformis Megerle

Ichneumon Banchiformis Megerle, Appendix ad Catalogum Insectorum, Quae
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,
1802, p. 16.* [o.d., Ga. (type lost)]

Ichneumon georgicus Megerle

Ichneumon Georgicus Megerle, Appendix ad Catalogum Insectorum, Quae
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,
1802, p. 16.† [o.d., Ga. (type lost)]

Ichneumon lugubator Gravenhorst ‡

Ichneumon lugubator Gravenhorst, Vergl. Übers, zool. Syst., 1807, p. 256.
[o.d., no locality given (? Breslau Mus.)]

Ichneumon lugubator Gravenhorst, Ichneum. Europeae, 1829, 1: 541. [des.,
"locality unknown"]

Ichneumon lugubator Kriechbaumer, Stettin Ent. Ztg., 1875, 36: 41. [des.,
Pa.]

Ichneumon nigrosignatus Viereck

Ichneumon (Barichneumon) nigrosignatus Viereck, Trans. Kans. Acad. Sci.,
1905, 19: 297. ♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans., type
not seen)]

Ichneumon obsoletus Riley, new combination

Ichneumon brevipennis var. *obsoletus* Riley, Ann. Rpt. Insects Mo., 1877, 9: 55.
(♀). [o.d., host *a*, (St. Louis, Mo.) (type lost)]

Ichneumon brevipennis var. *obsoletus* Cresson, Trans. Amer. Ent. Soc., 1877, 6:
182. [des.]

* Copy of original description: "*Ichneumon Banchiformis* M. ex Georg. Stat. Banch.
Atr. flav. vari. ant. annul. Thor. 2 spinos."

† Copy of original description: "*Ichneumon Georgicus* M. ex Georg. Stat. et magn.
persuas. ruf. Ant. Lut. Thor. Flav. Abd. segm. 1. 2. et fem. annulo. nig."

‡ Occurrence in the Nearctic Region needs confirmation.

Ichneumon brevipennis Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Colo., Mo.] Misdetermined.

PHALAEINIDAE: *a*, *Protoleucania albilinea*.

***Ichneumon paradoxus* Provancher**

Ichneumon paradoxus Provancher, Nat. Canad., 1882, 13: 306, 325; (Faune, p. 764). ♀. [key, o.d., Que. (type lost)]

***Ichneumon quadripunctatus* Provancher**

Ichneumon quadri-punctatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 33. ♂. [o.d., Ottawa, Ont. (type lost)]

***Jethsura ferruginea* Cameron**

Jethsura ferruginea Cameron, Trans. Amer. Ent. Soc., 1902, 28: 374. ♀. [o.d., N.M. (?British Mus.)]

***Labrorychus relictus* (Fabricius)**

Ophion relictus Fabricius, Ent. System., 1798, Suppl., p. 236. [o.d., North America (location of type unknown)]

Ophion relictus Olivier, Encycl. Méthod. Insect., 1811, 8: 511. [des.]

Ichneumon relictus Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 262. [syn.]

Ophion relictus Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

Anomalon relictus Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♂, ♀. [des., Mass., N.Y.]

Anomalon relictum Provancher, Nat. Canad., 1874, 6: 174. ♂. [key, des., Que.]

Anomalon relictum Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). [key, des., fig., Que.]

Anomalon relictum Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

Anomalon relictus Webster, Insect Life, 1890, 3: 174. [host *b*]

Anomalon relictum Slosson, Ent. News, 1900, 11: 320. [N.H.]

Anomalon relictum Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, Ga.]

Erigorgus relictus Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

Paranomalon relictum Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

Labrorychus relictus Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a b*, Me., N.J., N.Y., Pa.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana ministra*.

Lampronota breviventris Walsh

Lampronota breviventris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 120. ♀.
[o.d., (Ill.?) (type destroyed)]

Lampronota pictiventris Walsh

Lampronota pictiventris Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 119. ♂.
[o.d., (Ill.?) (type destroyed)]

Limnerium hospitum (Holmgren)

Limneria hospita Holmgren, Eugenies Resa, 1868, Insects, p. 416. ♂. [o.d.,
Calif. (?Stockholm Mus.)]
Limnerium hospitum Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Limnerium illepidum (Cresson)

Limneria illepada Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♂. [o.d.,
Bosque Co., Tex. (type lost)]
Limnerium illepidum Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

Melanichneumon ferrugator (Swederus)

Ichneumon ferrugator Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.
♂?, ♀. [o.d., North America (British Mus.)]
Ichneumon (Ichneumon) ferrugator Harris, Rpt. Geol. Min. Bot. Zool. Mass.,
Ed. 2, 1835. p. 585. [Mass.]
Melanichneumon ferrugator Morley, Entomologist, 1909, 42: 133. [des.]

Meniscus quadricinctus Ashmead

Meniscus 4-cinctus Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50.
♂. [o.d., host *a*, Catawba Is., Ohio (type lost)]
Meniscus 4-cinctus Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 37.
[host *a*, Ohio]
Miscellaneous: *a*, pupa in folds of leaf of *Prunus persicus*.

Mesoleptus fasciatus Provancher

Mesoleptus fasciatus Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen
nudum.
Mesoleptus fasciatus Provancher, Canad. Ent., 1885, 17: 116. ♂. [o.d.,
Vancouver Is., B.C. (type lost)]
Mesoleptus fasciatus Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
Mesoleptus fasciatus Harrington, Canad. Ent., 1897, 29: 45. [Vanc. Is., "♀
descr. from coll. Taylor"]
Mesoleptus fasciatus Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

Mesostenus rufotinctus Provancher

Mesostenus rufotinctus Provancher, Nat. Canad., 1874, 6: 301. ♂. [key, o.d., Que. (type lost)]

Mesostenus rufotinctus Provancher, Nat. Canad., 1875, 7: 268. [key]

Microcryptus alaskensis Ashmead

Microcryptus alaskensis Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [key, o.d., Sitka, Alaska (type lost)]

Opheltoideus johnsoni Ashmead

Opheltoideus johnsoni Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 95. [o.d. in key, no locality given, but probably from the vicinity of Philadelphia, Pa. (type lost)]

Parabates johnsoni Szépligeti, Genera Insectorum, 1911, 114: 76. [syn.]

Paniscus (*Parabates*) *johnsoni* Bradley, Ann. Mag. Nat. Hist., 1919, 3: 324. [syn.]

Opheltoideus johnsoni Cushman, Proc. U. S. Nat. Mus., 1942, 92: 289. [syn.]

Opisorhyssa flavopicta Kriechbaumer *

Opisorhyssa flavopicta Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 488. ♀. [o.d., "Amer. Sept.?" ("Vindobonensi Mus.")]

Phygadeuon excavatus Provancher

Phygadeuon excavatus Provancher, Nat. Canad., 1874, 6: 285. ♀. [key, o.d., Que. (type lost)]

Phygadeuon plectiscinus Roman

Phygadeuon plectiscinus Roman, Archiv für Zoologi, 1916, 10, no. 22: 5. ♂, ♀. [o.d., Eidi, Greenland (?Stockholm Mus.)]

Phygadeuon truncatus Provancher

Phygadeuon truncatus Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♀. [key, o.d., Ottawa, Ont. (type lost)]

Pseudamblyteles peroratus Cameron

Pseudamblyteles peroratus Cameron, Trans. Amer. Ent. Soc., 1908, 34: 242. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

Trogus atrocoeruleus Cresson

Trogus atrocoeruleus Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♀. [o.d., La. (?Yale Univ.)]

Trogus atrocoeruleus Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. [key, des.]

* Occurrence in Nearctic America needs confirmation.

- Amblyteles atrocoeruleus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Trogus atrocoeruleus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 82. [key, Mexico]
- Trogus atrocoeruleus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]
- Trogus? atrocoeruleus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 343. [syn.]

Tryphon obscurus Cresson

- Stilpnus obscurus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. ♂. [o.d., Colo. (type lost)]
- Tryphon obscurus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [syn.]
- Tryphon obscurus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

ALPHABETICAL LIST OF NOMINA NUDA

The following is a list of nomina nuda and of names so misspelled that they can not be recognized. Nomina nuda that can be recognized as such from their places of publication and those which have been referred to described species in the body of the catalogue are not listed below.

- Acrolyta smerinthi* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569 [host (*Smerinthus geminatus*)]. Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 631, states that this is a MS name.
- Acrolyta smerinthi* "Ashm." Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Anomalon Cecropiae* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Campoplegidea* (*Viereckiana*) *triangularis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect 5: 178. Walley, Sci. Agr., 1940, 20: 734, states that this is a nomen nudum.
- Campoplex paniscus* Osborn, Bull. Ia. Agr. Exp. Sta., 1892, 18: 515. [biol., host (*Plutella cruciferarum*), Ia.]
- Centeterus suturalis* "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Chloridea rhexiae*?)]
- Cremastus fumipennis* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [Pa.]
- Cryptus annulipes*, *Cryptus attractus*, *Cryptus bucephalus*, *Cryptus calceatus*, *Cryptus cardinalis*, *Cryptus clyta*, *Cryptus crescentus*, *Cryptus ectypus*, *Cryptus facetus*, *Cryptus facilis*, *Cryptus isochromus*, *Cryptus laxus*, *Cryptus leucotelus*, *Cryptus mellipes*, *Cryptus palmapectus*, *Cryptus pleuriticus*, *Cryptus polyspeirus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Cryptus propitius* "Cr." Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

- Cryptus recurvulus*, *Cryptus spinulosus*, *Cryptus subspinosus*, *Cryptus tenellulus*, *Cryptus velox*, *Cryptus versicolor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Eiphosoma femorata* "Cress." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]
- Exochoides borealis* "Cress." Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Hemiteles mesochori* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
- Hemiteles orgyiae* "Riley" Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Hemiteles scolyti* "Ashm." Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
- Hemiteles thyridopterigis* var. *leucozonatus* "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Thyridopteryx ephemeræformis*), Mo.]
- Ichneumon* (*Ichneumon*) *ales* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon alternator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *anxifer* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon araneorum* Clarkson, Canad. Ent., 1890, 22: 122. [biol., host (*Argiope riparia*), parasite (chalcid), N.Y.]
- Ichneumon* (*Trogus*) *atratus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon* (*Ichneumon*) *baculus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon basiator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *biarquatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon cingor* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *dimelapsus*, *Ichneumon* (*Ichneumon*) *metathoracicus*, *Ichneumon* (*Ichneumon*) *orbitalis*, *Ichneumon* (*Ichneumon*) *petiolatus*, *Ichneumon* (*Ichneumon*) *plantaris*, *Ichneumon* (*Ichneumon*) *platicerus*, *Ichneumon* (*Ichneumon*) *spatiosus*, *Ichneumon* (*Ichneumon*) *stolophorus*, *Ichneumon* (*Ichneumon*) *trichocerus*, *Ichneumon* (*Ichneumon*) *vau* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Lampronota succincta* "Cr." Riley and Howard, Insect Life, 1891, 3: 464. [host (oak gall), Mo.]
- Limneria oligiae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 158. [host (*Oligia versicolor*), D.C.]
- Limneria oligiae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Megarhyssa magnifica* "Vier." Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.]. Viereck, Proc. Ent. Soc. Wash., 1911, 13: 96, states that this is a nomen nudum.

- Mesochorus ? chrysopae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 156.
[host (*Chrysopa* sp.)]
- Mesochorus ? chrysopae* "Ashm." Howard, Proc. Ent. Soc. Wash., 1891, 2: 124.
[host (secondary on *Chrysopa* sp.)]
- Nepiera albomaculata* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Notosemus montanus* "Ashm." Berthoumieu, Genera Insectorum, 1904, 18: 68.
[Colo.]
- Ophion imbecilis* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.
[Mass.]
- Polysphincta phycitis* "Riley" Riley and Howard, Insect Life, 1891, 3: 464.
[host (*Phycita* (*Acrobasis*) *nebulo*), Ind.]
- Rhythmonotus bilineatus* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Scambus monta* "Cress." Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Sinophorus johnsoni* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Spilocryptus lividicarpus* "Cress." Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]
- Spudastica rufipes* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Thyreodon costale* "Cress." Viereck, Bull. N.Y. State Mus., 1928, 274: 185.
[Colo.]

SYSTEMATIC LIST OF HOSTS OF NEARCTIC ICHNEUMONIDAE

The following is a list of all host records arranged under the host. References to the authorities for these records may be found through the host lists under the various parasite species in the body of the catalogue.

ORTHOPTERA

ACRIDIDAE

Melanoplus mexicanus phase **spretis** (Thomas): ? *Lissonota brunnea*.

THYSANOPTERA

Thrips on *Triticum aestivum*: *Gelis thripites*.

HOMOPTERA

COCCIDAE

Pulvinaria bigeloviae Cockerell: *Cremastus flaviceps*.

NEUROPTERA

HEMEROBIIDAE

Hemerobius sp.: *Octacustes crassus crassus*.

CHRYSOPIIDAE

Chrysopa harrisii Fitch: *Gelis tenellus*, *Octacustes crassus crassus*.

Chrysopa lateralis Guérin: *Octacustes bicolor*.

Chrysopa nigricornis Burmeister: *Gelis tenellus*, *Octacustes crassus crassus*.

Chrysopa oculata Say: *Octacustes crassus chrysopae*.

Chrysopa plorabunda Fitch: *Octacustes crassus crassus*, *Octacustes crassus patruelis*.

Chrysopa rufilabris Burmeister: *Gelis tenellus*, *Octacustes crassus crassus*.

Chrysopa sp.: *Octacustes crassus chrysopae*, *Octacustes crassus crassus*, *Octacustes crassus patruelis*.

Chrysopid: *Brachycyrtus chrysopae*.

COLEOPTERA

GYRINIDAE

Gyrinus sp.: *Bathythrix gyrini*, *Bathythrix pimplae*, *Eriplanus cushmani*,
Hemiteles cheboyganensis, *Hemiteles hungerfordi*.

CLERIDAE

Enoclerus quadriguttatus (Olivier): *Zaleptopygus cleridivorus*.

OEDEMERIDAE

Calopus angustus Leconte: ? *Clistopyga atrata*.

MORDELLIDAE

Tomoxia bidentata (Say): *Arotes decorus*.

Mordellistena aemula Leconte: *Zaleptopygus mordellistena*.

Mordellistena morula Leconte: *Zaleptopygus mordellistena*.

Mordellistena sp.: *Zaleptopygus mordellistena*.

ELATERIDAE

Alaus oculatus (Linnaeus): *Xorides californicus*.

BUPRESTIDAE

Thrincopyge alacris Leconte: *Labena grallator*.

Chalcophora angulicollis (Leconte): *Xorides californicus*.

Dicerca divaricata (Say): *Cubocephalus rectus*, *Deuteroxorides vittifrons*, *Odontocolon vicinum*.

- Dicerca lurida* (Fabricius): ? *Arotes decorus*, *Xorides albopictus*.
Buprestis laeiventris (Leconte): *Xorides californicus*.
Melanophila fulvoguttata (Harris): *Xorides insularis*.
Chrysobothris deserta Horn: *Cryptohelcostizus ornatus*.
Chrysobothris femorata (Olivier): *Labena grillator*, *Xorides calidus*.
Chrysobothris mali Horn: *Cryptohelcostizus mali*.
Chrysobothris sp.: *Ichneumon irritator*.
Chrysobothris sp. in *Malus pumila*: *Cryptohelcostizus chrysobothridis*.
Agrilus angelicus Horn: *Cryptohelcostizus alamedensis*, *Xylophrurus fasciatus*.
Agrilus arcuatus (Say): *Labena grillator*.
Agrilus champlaini Frost: ? *Xylophrurus agrili*, ? *Xylophrurus luctuosus*.
Agrilus vittaticollis Randall: *Xylophrurus agrili*.
Agrilus sp.: *Labena grillator*, *Xorides albopictus*.
Buprestid: *Aplomerus buprestivorus*, *Deuteroxorides borealis*, *Xorides insularis*.

MELANDRYIDAE

- Dircaea quadrimaculata* (Say): *Xorides calidus*.
Serropalpus sp.: *Rhyssa lineolata*, *Rhyssa persuasoria*.

ANOBIIDAE

- Anobiid: *Odontocolon polymorphum*.

SCARABAEIDAE

- Phyllophaga fusca* (Froelich): *Ophion bifoveolatus*.
Phyllophaga sp.: *Ophion bifoveolatus*.

CERAMBYCIDAE

(PRIONINAE)

- Parandra brunnea* (Fabricius): *Odontocolon mellipes*.

(CERAMBYCINAE)

- Tetropium cinnamopterum* Kirby: *Xorides insularis*.
Tetropium velutinum Leconte: *Deuteroxorides borealis*, *Xorides insularis*.
Tetropium sp.: *Odontocolon canadense*.
Chion cinctus (Drury): *Labena grillator*.
Romaleum atomarium (Drury): *Xorides rileyi*.
Elaphidion sp.: *Zaleptopygus champlaini*.
Pseudibidion unicolor (Randall): *Agonocryptus discoidaloides*, *Labena grillator*.
Curius dentatus Newman: *Xorides calidus*.
Obrium rufulum Gahan: *Ichneumon irritator*.
Strangalepta vittata (Olivier): *Arotes vicinus*.
Leptura oblitterata Haldeman: *Odontocolon punctatum*.
"Leptura" sp.: ? *Coleocentrus flavipes*, *Poemenia vancouveriensis*.
Anoplodera chrysocoma (Kirby): ? *Xorides cincticornis*.

- Anoplodera nitens** Forester: *Xorides rileyi*.
Anoplodera proxima (Say): *Xorides stigma~~p~~terus stigma~~p~~terus*.
Bellamira scalaris (Say): *Arotes formosus*.
Strangalina bicolor (Swederus): *Arotes occiputalis*.
Strangalina luteicornis (Fabricius): *Odontocolon strangaliae* var. *strangaliae*.
Semanotus ligneus (Fabricius): *Deuteroxorides borealis*, *Xorides insularis*.
Hemicallidium amethystinum (Leconte): *Xorides insularis*.
Callidium sequoiarum Fisher: *Amydraulax pulchra*.
Phymatodes aereus (Newman): *Xorides rileyi*.
Phymatodes dimidiatus (Kirby): ?*Odontocolon strangaliae* var. *albotibiale*,
Rhyssa lineolata.
Phymatodes varius (Fabricius): *Xorides humeralis*.
Cyllene caryae Gahan: *Ichneumon irritator*.
Cyllene robiniae (Forester): *Ichneumon irritator*.
Xylotrechus colonus (Fabricius): *Arotes decorus*, *Xorides rileyi*.
Neoclytus acuminatus (Fabricius): *Xorides albopictus*.
Neoclytus caprea (Say): *Xorides neoclyti*.
Stenosphenus notatus (Olivier): *Labena grallator*.
Atimia dorsalis Leconte: *Deuteroxorides borealis*, *Xorides insularis*.
Paratimia conicola Fisher: *Poemenia americana*.

(LAMIINAE)

- Monochamus notatus** (Drury): *Rhyssa persuasoria*.
Monochamus scutellatus (Say): *Rhyssa lineolata*, *Rhyssa persuasoria*.
Monochamus titillator (Fabricius): *Rhyssa lineolata*, *Rhyssa persuasoria*.
Dorcaschema nigrum (Say): *Zaleptopygus dorcaschemae*.
Astylopsis macula (Say): *Xorides calidus*.
Leiopus variegatus (Haldeman): *Ichneumon irritator*.
Graphisurus fasciatus (De Geer): *Deuteroxorides vittifrons*, *Ichneumon irritator*.
Eupogonius vestitus (Say): *Agonocryptus vestitus*.
Oncideres cingulatus (Say): *Itopectis conquisitor*.
Saperda concolor Leconte: *Coccygomimus pedalis*.
Saperda discoidea Fabricius: *Deuteroxorides caryae*, *Xorides albopictus*.
Saperda obliqua Say: *Xylophrurus luctuosus*.
Saperda puncticollis Say: *Labena grallator*.
Saperda tridentata Olivier: ?*Deuteroxorides caryae*, *Xorides albopictus*.
Saperda sp.: *Coccygomimus pedalis*.
Oberea tripunctata Swederus: *Zaleptopygus orbus*.
Cerambycid in *Rhus* sp.: *Odontocolon strangaliae* var. *albotibiale*.
Cerambycid: ?*Arotes amoenus*, *Ichneumon irritator*, *Labena grallator*, *Xorides insularis*.

CHRYSOMELIDAE

- Anoplitis inaequalis** (Weber): *Scambus hispae*.
Anoplitis rosea (Weber): ?*Scambus hispae*.

CURCULIONIDAE

- Hypera nigrirostris** (Fabricius): *Bathyplectes exiguus*.
Hypera postica (Gyllenhal): *Bathyplectes curculionis*, *Eriplanus micator*.
Hypera punctata (Fabricius): *Bathyplectes exiguus*, *Biolybia tristis*.
Hypera rumicis (Linnaeus): *Bathyplectes exiguus*.
Pissodes strobi (Peck): *Calliephialtes comstockii*, *Calliephialtes nubilipennis*,
Cubocephalus nitidus, *Hemiteles humeralis*, *Labena grallator*.
Pissodes sp.: *Barycnemis simplicicornis*, *Calliephialtes nubilipennis*.
Anthonomus grandis thurberiae Pierce: *Calliephialtes thurberiae*.
Lixus scrobicollis Boheman: *Labena grallator*.
Mononychus vulpeculus (Fabricius): *Delomerista novita*, *Iseropus coelebs*, *Scambus pterophori*.
Craponius inaequalis (Say): *Stiboscopus brooksi*.
Conotrachelus anaglypticus (Say): *Tersilochus conotracheli*.
Conotrachelus nenuphar (Herbst): *Tersilochus conotracheli*.
Conotrachelus retentus (Say): *Tersilochus conotracheli*.
Cryptorhynchus lapathi (Linnaeus): *Ichneumon irritator*.
Sphenophorus pertinax (Olivier): *Gambrus bituminosus*.
Curculionid: *Calliephialtes comstockii*, *Labena grallator*.

SCOLYTIDAE

- Phloeosinus** sp.: *Helcostizus rufiscutum*.

TRICHOPTERA

LIMNEPHILIDAE

- Limnephilus indivisus** Walker: *Eriplanus biannulatus*.

LEPIDOPTERA

(JUGATAE)

HEPIALIDAE

- Sthenopsis thule** (Strecker): *Pterocormus devinctor*.

ERIOCRANIIDAE

- Mnemonica auricyanea** (Walsingham): *Lathrolestes mnemonicae*.

(FRENATAE)

(Group MICROLEPIDOPTERA)

PRODOXIDAE

- Prodoxus quinquepunctellus** (Chambers): ? *Calliephialtes notandus*.

ADELIDAE

Paraclemensia sp.: *Alophosternum foliicola*.

TINEIDAE

Tinea sp.: *Hypsicera mansuetor*.

Tineola pellionella (Linnaeus): *Hypsicera mansuetor*.

Tineid: *Alegina annulatus*, *Iseropus coelebs*, *Neliopisthus semirufus*, *Zaleptopygus californicus*.

Tineid in *Polyporus dryophilus*: *Campoplex tineavora*.

Tineid on *Betula lenta*: *Campoplex nigricinctus*.

Tineid on *Liriodendron tulipifera*: *Stenomacrus ulmicola*.

Tineid on *Malus pumila*: *Toxophoroides scitulus*.

Tineid on *Myrica* sp.: *Neliopisthus semirufus*.

PSYCHIDAE

Thyridopteryx ephemeraeformis (Haworth): *Iseropus coelebs*, *Itopectis conquisitor*, *Phobetes thyridopteryx*, *Scambus hispae*.

Eurukuttarus confederatus (Grote): *Coccygomimus aequalis*, *Phobetes confederatae*.

Hyaloscotes fragmentella (Hy. Edwards): *Itopectis obesus*.

Hyaloscotes sp.: *Phobetes sheppardi*.

Fumaria casta (Pallas), *Coccygomimus aequalis*, *Itopectis conquisitor*.

Solenobia walshella Clemens: *Horogenes solenobiae*.

LYONETHIDAE

Lyonetia speculella Clemens: *Horogenes lyonetiae*.

Bedellia somnulentella (Zeller): *Isdromas lycaenae*.

Bucculatrix canadensisella Chambers: *Gelis obscurus*, *Gelis urbanus*.

Bucculatrix sp.: *Exochus pallipes*, *Gelis obscurus*, *Gelis pettitii*.

Bucculatrix sp. on *Quercus agrifolia*: *Gelis tenellus*.

Bucculatrix sp. on *Quercus* sp.: *Isdromas lycaenae*.

GRACILARIIDAE

Cameraria coryliella (Chambers): *Alophosternum foliicola*.

Cameraria ulmella (Chambers): *Stenomacrus ulmicola*.

Gracilaria alnivorella Chambers: *Itopectis quadricingulatus*.

Gracilaria packardella Chambers: *Isdromas lycaenae*.

Gracilaria stigmatella (Fabricius): *Haplaspis mandibularis*.

"**Lithocolletis**" sp. on *Grindelia robusta*: *Scambus lithocolletidis*.

COLEOPHORIDAE

Coleophora cinerella Chambers: *Iseropus coelebs*, ?*Scambus hispae*.

Coleophora malivorella Riley: *Gelis tenellus*, *Hyposoter annulipes*, *Isdromas lycaenae*, *Itopectis conquisitor*, *Scambus hispae*.

- Coleophora occidentis** Zeller: *Horogenes antennaellae*, *Horogenes obliteratus*.
Coleophora pruniella Clemens: *Amblyteles subrufus*, *Gelis tenellus*, *Itopectis conquisitor*, *Pseudamblyteles comes*, *Pterocormus funestus*, *Scambus hispae*.
Coleophora salmani Heinrich: *Agrothereutes major*, *Coccygomimus aequalis*, *Coccygomimus aquilonius*, *Cremastus forbesi*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Itopectis conquisitor*, *Scambus hispae*.
Coleophora sp.: *Alegina columbiana*.
Coleophora sp. on *Aster eastoni*: *Cremastus protractus*.
Coleophora sp. on *Polygonum* sp.: *Lymeon orbus*.
Coleophora sp. on *Ribes* sp.: *Horogenes aestivalis*.
Coleophora sp. on *Salix* sp.: *Gelis tenellus*.
Coleophora sp. on wild cherry: *Scambus hispae*.

YPONOMEUTIDAE

- Eucratia castella** Walsingham: *Itopectis quadricingulatus*.
Plutella armoraciae Busck: *Horogenes plutellae*.
Plutella maculipennis (Curtis): *Camptetis argentifrons*, *Camptetis tibiator*, *Diadromus plutellae*, *Horogenes insularis*, *Horogenes parvus*, *Horogenes plutellae*, *Phaeogenes vincibilis*.
Plutella omissa Walsingham: ?*Horogenes insularis*, *Horogenes plutellae*.
Argyresthia libocedrella Busck: *Campoplex argyresthiae*.
Argyresthia oreasella Clemens: *Horogenes obliteratus*.
Xyrosaris celastrusella (Kearfott): *Horogenes obliteratus*.

AEGERIIDAE

- Alcathoe caudata** (Harris): *Coccygomimus tenuicornis*.
Sanninoidea exitiosa (Say): *Cryptus albitarsis*, *Idechthis nigricoxalis*, *Phaeogenes ater*.
Sanninoidea opalescens (Hy. Edwards): *Cryptus tejonensis*.
Sanninoidea pictipes (Grote & Robinson): *Coccygomimus aequalis*.
Conopia pyri (Harris): *Coccygomimus aequalis*, *Lampronota sesiavora*, *Phaeogenes ater*.
Conopia scitula (Harris): *Itopectis conquisitor*, *Phaeogenes ater*.
Conopia tipuliformis (Linnaeus): *Lampronota scutellaris*, *Phaeogenes ater*.
Podosesia syringae (Harris): *Cratichneumon unifasciatus*, *Phaeogenes ater*.
Paranthrene perlucida (Busck): ?*Xorides californicus*.
"Sesia" sp.: *Phaeogenes ater*.

GLYPHIPTERYGIDAE

- Anthophila pariana** (Clemens): *Horogenes obliteratus*, *Itopectis conquisitor*, *Scambus hispae*, *Triclistus fulvipes*, *Triclistus propinquus*.
Choreutis balsamorrhyzella Busck: *Camptetis websteri*.

OECOPHORIDAE

Agonopteryx pulvipenella (Clemens): *Zaleptopygus mellipes*.

Depressaria sp.: *Itoplectis obesus*.

Psilocorsis sp.: *Atrometus clavipes*, *Itoplectis conquisitor*, *Neliopisthus semirufus*.

GELECHIIDAE

Isophrictis similiella (Chambers): *Cremastus facilis*.

Aristotelia pudibundella (Zeller): *Cymodusopsis aristoteliae*.

Aristotelia rubidella (Clemens): ?*Horogenes obliteratus*.

Chrysopora sp.: *Sternocryptus bitinctus*.

Recurvaria nanella (Huebner): *Coccygomimus aequalis*.

Recurvaria piceaella Kearfott: *Campoplex rufipes*, *Neliopisthus piceae*, *Phaogenes epinotiae*, *Pimplopterus recurvariae*.

Recurvaria robiniella (Fitch): *Asphragis mirabilis*.

Recurvaria thujaella Kearfott: *Scambus hispae*.

Exoteleia pinifoliella (Chambers): *Alegina pinifoliae*.

Chionodes violaceofusca (Zeller): *Horogenes discoocellellae*.

Filatima persicaeella (Murtfelt): *Cremastus forbesi*, *Horogenes discoocellellae*, *Scambus hispae*.

Filatima pseudoacaciella (Chambers): *Hyposoter annulipes*, *Lampronota scutellaris*.

Frumenta nundinella (Zeller): *Zaleptopygus retiniae*.

Aroga trialbamaculella (Chambers): *Cremastus forbesi*, *Horogenes comptoniellae*.

Fascista cercerisella (Chambers): *Idechthis gelechia*.

Gnorimoschema axenopsis (Meyrick): *Cremastus minor*.

Gnorimoschema baccharisella Busck: *Calliephialtes notandus*.

Gnorimoschema gallaeasteriella (Kellicott): *Calliephialtes notandus*, *Coccygomimus aequalis*, *Gambrus tunicularubra*, *Scambus pterophori*.

Gnorimoschema gallaesolidaginis (Riley): *Calliephialtes notandus*, *Campoplex depressus*, *Campoplex dimidiatus*, *Dicaelotus gelechia*, *Glypta caulicola*, *Ichneumon pygmaeus*, *Iseropus coelebs*, *Mastrus cressoni*, *Scambus pterophori*, *Zaleptopygus gallaecola*.

Gnorimoschema operculella (Zeller): *Campoplex phthorimaeae*, *Coccygomimus aequalis*, *Horogenes compressus*, *Itoplectis conquisitor*, *Nepiera fuscifemora*, *Scambus hispae*.

Keiferia glochinella (Zeller): *Campoplex phthorimaeae*, *Horogenes compressus*, *Scambus hispae*.

Keiferia lycopersicella (Busck): *Horogenes compressus*.

Anacamptis fragariella Busck: *Exochus pleuralis*.

Anarsia lineatella (Zeller): *Coccygomimus sanguineipes*, *Itoplectis obesus*, *Mastrus aciculatus*.

Dichomeris bipunctella (Walsingham): *Toxophoroides albomarginatus*.

Dichomeris ligulella (Huebner): *Horogenes obliteratus*, *Scambus hispae*.

Dichomeris marginella (Fabricius): *Coccygomimus aequalis*, *Itoplectis conquisitor*.

Trichotaphe juncidella Clemens: *Glypta monita*, *Glypta vulgaris*.

Trichotaphe levisella Fyles: *Mastrus smithii*, *Pimplopterus marginatus*.

"Gelechias" sp.: *Cremastus minor*, *Glypta vulgaris*, *Idechthis gelechia*, *Pristomerus melleus*.

"Gelechias" sp. on *Salix* sp.: *Horogenes oblitteratus*.

"Gelechias" sp. on tuber of *Solanum tuberosum*: *Gelis gelechia*.

EPERMENIIDAE

Epermenia cicutaella Kearfott: *Itopectis conquistator*.

COSMOPTERYGIDAE

Stagmatophora ceanothiella Cosens: *Scambus pterophori*.

MOMPHIDAE

Homaledra sabalella (Chambers): *Lymeon orbus*.

Cyphophora eloisella (Clemens): *Cremastus epagoges*, *Iseropus coelebs*, *Scambus pterophori*.

Walshia amorphella Clemens: *Calliephialtes notandus*, *Calliephialtes nucicola*, *Phaeogenes walshiae*.

COSSIDAE

Prionoxystus sp. in *Castanea dentata*: *Lampronota prionoxysti*.

TORTRICIDAE

Homona fervidana Walker: *Exochus albifrons*, *Exochus annulicrus*, *Exochus pallipes*, *Itopectis conquistator*, *Triclistus fulvipes*.

Amorbia humerosana Clemens: *Glypta phoxopterididis*.

Sparganothis pettitana (Robinson): *Itopectis conquistator*.

Sparganothis sulfureana (Clemens): *Cremastus epagoges*, *Cremastus tortricidis*, *Horogenes compressus*.

Platynota flavedana Clemens: *Cremastus platynotae*.

Platynota rostrana (Walker): ? *Polysphincta albipes*.

Platynota stultana (Walsingham): *Horogenes compressus*.

Archips argyrospila (Walker): *Coccygomimus pedalis*, *Glypta simplicipes*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Phaeogenes cacoeciae*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.

Archips cerasivorana (Fitch): *Cremastus epagoges*, *Exochus albifrons*, *Exochus pallipes*, *Itopectis conquistator*, *Labrorychus prismaticus*, *Triclistus fulvipes*, *Triclistus pygmaeus*.

Archips conflictana (Walker): *Campoplegidea seamansi*.

Archips fervidana (Clemens): *Exochus pallipes*.

Archips fumiferana (Clemens): *Coccygomimus sanguineipes*, *Ephialtes ontario*, *Glypta fumiferanae*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Itopectis quadricingulatus*, *Phaeogenes hariolus*, *Phytodietus fumiferanae*, *Scambus atrocoxalis*, *Scambus hispae*, *Theronia atalantae*.

- Archips rosaceana** (Harris): *Glypta simplicipes*, *Horogenes eureka*, *Itoplectis conquisitor*.
- Archips rosana** (Linnaeus): *Horogenes cacoeciae*, *Horogenes rosanae*, *Hyposoter basizona*, *Itoplectis atrocoxalis*.
- Archips semiferana** (Walker): *Iseropus coelebs*.
- Amelia clemensiana** (Fernald): *Glypta rufofasciata*.
- Amelia pallorana** Robinson: *Horogenes compressus*.
- Argyrotaenia lutosana** (Clemens): *Eclytus pleuralis*, *Exochus pallipes*, *Phytodietus vulgaris*.
- Argyrotaenia mariana** (Fernald): *Coccygomimus pedalis*, *Coccygomimus tenuicornis*, *Ephialtes ontario*, *Itoplectis conquisitor*, *Itoplectis quadricingulatus*, *Phytodietus vulgaris*.
- Argyrotaenia pinatubana** (Kearfott): *Eclytus pleuralis*, *Itoplectis conquisitor*, *Phytodietus pleuralis*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.
- Argyrotaenia quercifolia** (Fitch): *Coccygomimus aequalis*, *Itoplectis conquisitor*.
- Argyrotaenia velutinana** (Walker): *Cremastus forbesi*, *Glypta vulgaris*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Lampronota pleuralis*, *Phygadeuon exiguus*, *Phytodietus vulgaris*, *Scambus hispae*, *Triclistus fulvipes*.
- Cnephasia longana** (Haworth): *Horogenes eureka*, *Phytodietus burgessi*.
- Argyrotoxa albicomana** (Clemens): *Itoplectis conquisitor*.
- Argyrotoxa semipurpurana** (Kearfott): *Glypta rufiscutellaris*, *Itoplectis conquisitor*.
- Peronea fragariana** Kearfott: *Horogenes comptoniellae*.
- Peronea hastiana** (Linnaeus): *Itoplectis conquisitor*.
- Peronea logiana** (Linnaeus): *Phytodietus burgessi*.
- Peronea minuta** (Robinson): *Campoplex validus*, *Cremastus forbesi*, *Glypta simplicipes*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea minuta cinderella** (Riley): *Glypta simplicipes*.
- Peronea oxycoccana** (Packard): *Coccygomimus aequalis*.
- Peronea variana** (Fernald): *Atrometus clavipes*, *Ephialtes ontario*, *Exochus annulicrus*, *Gelis tenellus*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Itoplectis obesus*, *Itoplectis quadricingulatus*, *Phaeogenes gaspesianus*, *Phaeogenes hariolus*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea** sp.: *Iseropus coelebs*, *Phaeogenes arcticus*.
- Peronea** sp. on *Carpinus caroliniana*: *Itoplectis conquisitor*.
- Peronea** sp. on *Castanea dentata*: *Erigorgus acclerivorus*.
- Amelia pallorana** Robinson or **Sparganothis sulfureana** Clemens: *Phytodietus burgessi*.
- "**Tortrix**" leaf folder on *Ribes* sp.: *Glypta simplicipes*.
- "**Tortrix**" sp. on *Quercus* sp.: *Campoplex rufipes*.
- "**Tortrix**" sp. on wild pea: *Ephialtes ontario*.

- Tortricid: *Alegina annulatus*, *Asphragis mirabilis*, ? *Campoplex furus*, ? *Charopsimorpha tibialis*, *Ephialtes picticornis*, *Glypta caulicola*, *Itopectis conquisitor*.
 Tortricid leaf gall on *Solidago graminifolia*: *Hysicera femoralis*.
 Tortricid leaf roller on *Solidago* sp.: *Lissonota rufipes*.
 Tortricid on fruit of *Gossypium hirsutum*: *Scambus hispae*.
 Tortricid on *Myrica asplenifolia*: *Asphragis mirabilis*, *Scambus hispae*.
 Tortricid on *Populus* sp.: *Syzeuctus elegans*.
 Tortricid on *Quercus* sp.: *Aoplus leucopsis*, *Itopectis conquisitor*, *Toxophoroides xanthozonatus*.

OLETHREUTIDAE

- Episimus argutanus** (Clemens): *Cremastus forbesi*, *Scambus alboricta*.
Polychrosis carduana Busck: *Campoplex polychrosidis*.
Polychrosis liriodendrana Kearfott: *Phytodietus burgessi*.
Polychrosis viteana (Clemens): *Agrothereutes iridescens*, *Campoplex nolae*, *Campoplex tortricidis*, *Gambrus ultimus*, *Glypta animosa*, *Glypta mutica*, *Glypta vulgaris*, *Horogenes compressus*, *Horogenes obliterated*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Mastrus polychrosidis*, *Scambus hispae*, *Triclistus fulvipes*.
Zomaria interruptolineana (Fernald): *Glypta vulgaris*.
Exartema cornanum Heinrich: *Campoplex hyalinus*, *Itopectis conquisitor*.
Exartema feriferanum (Walker): *Itopectis conquisitor*.
Exartema exaeresimum Heinrich: *Triclistus fulvipes*.
Exartema footianum (Fernald): *Glypta rubripes*, *Glypta simplicipes*.
Exartema inornatanum Clemens: *Glypta simplicipes*.
Exartema permundanum Clemens: *Campoplex hyalinus*.
Exartema punctanum Walsingham: *Glypta vulgaris*.
Exartema sericoranum Walsingham: *Phytodietus burgessi*.
Exartema viburnanum McDunnough: *Glypta exartemae*.
Exartema sp.: *Glypta exartemae*.
Rhyacionia buoliana (Schifferrmüller): *Calliephialtes comstockii*, *Cremastus decoratus*, *Cremastus interruptor*, *Itopectis conquisitor*, *Itopectis evertiae*, *Itopectis obesus*, *Scambus hispae*.
Rhyacionia frustrana (Comstock): *Calliephialtes comstockii*, *Campoplex frustranae*, *Cremastus epagoges*, *Glypta varipes*, *Itopectis conquisitor*, *Scambus hispae*.
Rhyacionia frustrana bushnelli (Busck): *Cremastus epagoges*, *Cremastus evertiae*, *Itopectis conquisitor*, *Pristomerus baumhoferi*, *Scambus aplopappi*, *Scambus evertivorus*.
Rhyacionia pasadenana (Kearfott): *Scambus aplopappi*.
Rhyacionia rigidana (Fernald): *Zaleptopygus retiniae*.
Rhyacionia sp. in *Pinus ponderosa*: *Atrometus evertivorus*.
Petrova comstockiana (Fernald): *Calliephialtes comstockii*, *Zaleptopygus retiniae*.

- Barbara colfaxiana siskiyouana** (Kearfott): *Exochus evetriae*, *Itopectis evetriae*, *Scambus ephialtoides*.
- Barbara colfaxiana taxifoliella** (Busck): *Calliephialtes comstockii*, ? *Campoplex conocola*, *Exochus evetriae*, *Glypta evetriae*, *Itopectis evetriae*, *Pimplopterus evetriae*.
- Spilonota ocellana** (Dennis & Schiffermüller): *Itopectis conquisitor*, *Itopectis obesus*, *Phytodietus vulgaris*.
- Thiodia olivaceana** (Riley): *Delomerista novita*, *Iseropus coelebs*.
- Epiblema obfuscana** (Dyar): *Glypta rufiscutellaris*.
- Epiblema otiosana** (Clemens): *Pristomerus ocellatus*, *Scambus pterophori*.
- Epiblema scudderiana** (Clemens): *Centeterus euryptychia*, *Glypta caulicola*, *Glypta rufiscutellaris*, *Otacustes crassus crassus*, *Pristomerus euryptychia*, *Scambus pterophori*, *Tromatobia rufovariata*.
- Epiblema strenuana** (Walker): *Calliephialtes grapholithae*, *Calliephialtes notandus*, *Campoplex argenteus*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus minor*, *Glypta rufiscutellaris*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus pterophori*.
- Proteoteras aesculana** Riley: *Calliephialtes notandus*, *Glypta militaris*, *Glypta rufiscutellaris*, *Horogenes oblitteratus*, *Scambus pterophori*.
- Gretchena bolliana** (Slingerland): *Coccygomimus aequalis*, *Coccygomimus inflatus*.
- Rhobopota naevana** (Huebner): *Cremastus forbesi*, *Cremastus minor*.
- Epinotia arctostaphylana** (Kearfott): *Campoplex epinotiae*.
- Epinotia laracana** (Kearfott): *Glypta rufiscutellaris*.
- Epinotia nanana** (Treitschke): *Campoplex nanana*, *Campoplex rufipes*, *Phaeogenes epinotiae*.
- Anchylopera platanana** Clemens: *Phytodietus burgessi*.
- Anchylopera** sp.: *Gelis urbanus*, *Itopectis quadricingulatus*.
- Ancylis comptana** (Frölich): *Charops infesta*, *Cremastus cookii*, *Exochus pleuralis*, *Gambrus ultimus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus alboricta*, *Scambus hispae*, *Scambus pterophori*.
- Ancylis comptana floridana** (Zeller): ? *Itopectis quadricingulatus*.
- Ancylis comptana fragariae** (Walsh & Riley): *Cremastus cookii*, *Exochus pleuralis*, *Phytodietus vulgaris*.
- Grapholitha interstinctana** (Clemens): *Glypta phoxopteridis*.
- Grapholitha molesta** Busck: *Atrometus clavipes*, *Calliephialtes benefactor*, *Calliephialtes grapholithae*, *Campoletis argentifrons*, *Campoletis patsuitetorum*, *Campoplex tortricidis*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Cremastus carpocapsae*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus grapholithae*, *Cremastus minor*, *Cremastus tortricidis*, *Cryptus albitarsis*, *Cubocephalus alacris*, *Gambrus ultimus*, *Gelis tenellus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Glypta varipes*, *Glypta vulgaris*, *Horogenes molestae*, *Horogenes oblitteratus*, *Horogenes rosanae*, *Idechthis nigricoxalis*, *Itopectis conquisitor*, *Lampronota sesiavora*, *Lyneon orbus*, *Mastrus*

carpocapsae, *Mastrus pilifrons*, *Mastrus smithii*, *Phaeogenes walshiae walshiae*, *Phobetes thyridopteryx*, *Pristomerus euryptychiae*, *Pristomerus ocellatus*, *Scambus hispae*, *Scambus pterophori*, *Triclistus fulvipes*.

Grapholitha molesta (Busck) secondary: *Gelis tenellus*.

Grapholitha packardii Zeller: *Glypta rufiscutellaris*.

Grapholitha prunivora (Walsh): *Glypta rufiscutellaris*, *Glypta varipes*.

Laspeyresia caryana (Fitch): *Calliephialtes grapholithae*, *Glypta rufiscutellaris*, *Mastrus carpocapsae*, *Phaeogenes walshiae australis*.

Laspeyresia youngana (Kearfott): *Campoplex temporalis*.

Laspeyresia "toreuta" (Grote): *Campoplex laspeyresiae*.

Laspeyresia sp.: *Poemenia americana*.

Melissopus latiferreanus (Walsingham): *Calliephialtes nucicola*, *Glypta rufiscutellaris*, *Pimplopterus inconstans*.

Carpocapsa pomonella (Linnaeus): *Calliephialtes grapholithae*, *Calliephialtes nucicola*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Coccygomimus sanguineipes*, *Cremastus carpocapsae*, *Cremastus epagoges*, ? *Exetastes septum*, *Glypta rufiscutellaris*, *Glypta varipes*, *Itopectis conquisitor*, *Itopectis quadringulatus*, *Mastrus carpocapsae*, *Mastrus pilifrons*, *Phytodietus burgessi*, *Pristomerus euryptychiae*, *Scambus hispae*, *Scambus pterophori*.

"Evetria" sp.: *Itopectis evetriae*.

"Paedisca" sp.: *Atrometus paediscae*, *Glypta macra*.

PTEROPHORIDAE

Pterophorus periscelidactylus Fitch: ? *Cubocephalus pallidus*, *Itopectis conquisitor*, *Phaeogenes mellinus*.

Platyptilia carduidactyla (Riley): *Campoplex polychrosidis*, *Colpognathus helvus*, *Horogenes acutus*, *Scambus pterophori*.

Platyptilia williamsii Grinnell: *Scambus pterophori*.

Oidaematophorus lacteodactylus (Chambers): *Cremastus pterophori*.

Oidaematophorus occidentalis Walsingham: *Hyposoter occidentalis*.

"Pterophorus" sp. on stems of *Baccharis pilularis*: *Scambus pterophori*.

"Pterophorus" sp. on *Malus pumila*: *Horogenes pterophorae*.

PHYCITIDAE

Acrobasis betulella Hulst: *Itopectis conquisitor*, *Phaeogenes phycidis*, *Phytodietus burgessi*.

Acrobasis caryalbella Ely: *Itopectis conquisitor*.

Acrobasis caryivorella Ragonot: *Horogenes comptoniellae*, *Itopectis conquisitor*, *Pristomerus euryptychiae*.

Acrobasis comptoniella Hulst: *Erigorgus acclerivorus*, *Horogenes comptoniellae*, *Itopectis conquisitor*.

Acrobasis juglandis (LeBaron): *Calliephialtes grapholithae*, *Coccygomimus aequalis*, *Ephialtes picticornis*, *Exochus apicalis*, *Iseropus coelebs*, *Itopectis conquisitor*, *Scambus hispae*.

- Acrobasis kearfottella** Dyar: *Eclytus pleuralis*, *Itopectis conquisitor*.
Acrobasis rubrifasciella Packard: *Anomalon exile*, *Cratichneumon quintilis*,
Delomerista novita, *Horogenes comptoniellae*, *Itopectis conquisitor*.
Acrobasis sp.: *Calliephialtes grapholithae*, *Iseropus coelebs*, *Itopectis conquisitor*,
Mesostenus thoracicus, *Scambus hispae*.
Mineola indiginella (Zeller): *Campoletis tibiator*, *Gelis tenellus*, *Hyposoter an-*
nulipes, *Hyposoter fugitivus*, *Itopectis conquisitor*, *Pimplopterus acrobasisidis*,
Scambus hispae.
Mineola vaccinii (Riley): *Pristomerus euryptychiaae*.
Dioryctria abietella (Dennis & Schiffermüller): *Campoplex milleri*.
Dioryctria cambiicola (Dyar): *Itopectis evetriae*.
Dioryctria xanthaenobares Dyar: *Pimplopterus dakrumae*.
Dioryctria zimmermani (Grote): *Calliephialtes comstockii*, *Itopectis evetriae*.
Dioryctria sp.: *Calliephialtes comstockii*.
Dioryctria sp. in cones of *Pinus coulteri*: *Campoplex conocola*.
Monoptilota pergratialis (Hulst): *Mesostenus thoracicus*.
Ambesa walsinghami Ragonot: *Mesostenus thoracicus*.
Meroptera pravella (Grote): *Exochus pictus*.
Elasmopalpus lignosellus (Zeller): *Pristomerus melleus*.
Epischnia granitella Ragonot: *Syzeuctus epischniae*, *Trichomma granitellae*.
Etiella zinckenella (Treitschke): *Trichomma maceratum*.
Melitara sp.: *Mesostenus thoracicus*.
Rumatha glaucatella (Hulst): *Cremastus sinuatus*.
Cactobrosis strigalis (Barnes & McDunnough): *Cremastus sinuatus*.
Ozamia fuscomaculella clarefacta Dyar: *Mesostenus gracilis*.
Zophodia convolutella (Huebner): *Coccygomimus sanguineipes*, *Mesostenus gra-*
cilis.
Euzophera semifuneralis (Walker): *Coccygomimus aequalis*, *Idechthis nigri-*
coxalis, *Mesostenus gracilis*, *Mesostenus thoracicus*.
Laetilia coccidivora (Comstock): *Mesostenus gracilis*, *Mesostenus thoracicus*,
?Pimplopterus dakrumae.
Laetilia sp.: *Pimplopterus dakrumae*.
Psorosina hammondi (Riley): *Campoplex validus*, *Cryptus albitarsis*, *Toxopho-*
roides albomarginatus.
Ephestia cautella (Walker): *Idechthis canescens*.
Ephestia elutella Huebner: *Mesostenus gracilis*.
Ephestia figulilella Gregson: *Idechthis canescens*, *Mesostenus gracilis*.
Ephestia kuehniella Zeller: *?Horogenes kiehtani*, *Hyposoter fugitivus*, *Idechthis*
canescens, *Mesostenus gracilis*.
Plodia interpunctella (Huebner): *?Horogenes kiehtani*, *?Hyposoter pilosulus*,
Idechthis canescens, *?Olesicampe lophyri*.
"Phycita" sp.: *Glypta varipes*.

EPIPASCHIIDAE

Tetralopha subcanalis (Walker): *Toxophoroides scitulus*, *Zaleptopygus tetralophae*.

GALLERIIDAE

Galleria mellonella (Linnaeus): *Horogenes galleriae*, *Idechthis canescens*.

CRAMBIDAE

Crambus teterellus (Zincken): *Horogenes pattoni*.

Crambus topiarius Zeller: *Cremastus facilis*.

Crambus trisectus (Walker): *Coccygomimus aequalis*.

Crambus vulgivagellus Clemens: *Cryptus persimilis*, *Pimplopterus frigidus*.

Crambus zeellius Fernald: *Campoletis argentifrons*.

Crambus sp.: *Horogenes obscurus*, *Listrognathus albomaculatus* var. *albomaculatus*, ?*Zaleptopygus retiniae*.

Diatraea crambidoides Grote: *Cremastus ferrugineus*.

Diatraea sp.: *Gambrus bituminosus*.

Chilo forbesellus Fernald: *Cremastus chilonis*, *Neostricklandia sericata*.

Chilo sp. near **plejadellus** Zincken: *Coccygomimus aequalis*.

Occidentalia comptulatalis (Hulst): *Cremastus chilonis*, *Neostricklandia sericata*.

Crambid on *Triticum aestivum* and other grass: *Campoletis oxylus*.

PYRALIDIDAE

Pyralis farinalis (Linnaeus): *Hypsicera mansuetor*.

Pyralidid: *Glypta caulicola*.

Pyralidid in water lily: *Apsilops hirtifrons*.

Pyralidid on *Alnus rugosa*: *Hypsicera femoralis*.

Pyralidid? on *Betula alba*: *Scambus hispae*.

Pyralidid on *Carya* sp.: *Mesostenus thoracicus*.

Pyralidid on *Solidago* sp.: *Eiphosoma pyralidis*.

Pyralidid on thistle: *Phaeogenes vincibilis*.

PYRAUSTIDAE

(GLAPHYRIINAE)

Dicymolomia julianalis (Walker): *Cremastus gracilipes*, *Scambus hispae*, *Scambus tecumseh*.

(PYRAUSTINAE)

Hymenia fascialis (Cramer): *Campoletis argentifrons*, *Charops infesta*.

Desmia funeralis (Huebner): *Coccygomimus sanguineipes*, *Horogenes obliteratus*, *Mesochorus discitergus*, *Triclistus propinquus*, *Triclistus pygmaeus*.

Diaphania hyalinata (Linnaeus): *Charops infesta*, *Itopectis conquisitor*.

Diaphania quadristigmalis (Guenée): *Glypta vulgaris*, *Itopectis conquisitor*.

Hellula undalis (Fabricius): *Cremastus facilis*, *Horogenes insularis*, *Horogenes plutellae*.

Mimorista flavidissimalis (Grote): *Eiphosoma bruesi*, *Eiphosoma texanum*.

Loxostege similalis (Guenée): *Horogenes pattoni*, *Mesochorus electilis*, *Phytodietus pulcherrimus*.

Loxostege sticticalis (Linnaeus): *Campoletis patsuketorum*, *Campoplex furus*.

Loxostege sp.: *Pristomerus appalachianus*.

Tholeria reversalis (Guenée): *Coccygomimus sanguineipes*.

Phlyctaenia extricalis (Guenée): *Mesostenus thoracicus*.

Phlyctaenia rubigalis (Guenée): *Campoplex phthorimaeae*, *Charops infesta* *Coccygomimus sanguineipes*, *Horogenes acutus*.

Phlyctaenia tertialis (Guenée): *Campoplex validus*, *Gambrus ultimus*, *Phytodietus pulcherrimus*, *Triclistus propinquus*.

Pyrausta ainsliei Heinrich: *Cremastus facilis*, *Gambrus bituminosus*, *Pterocormus laetus*.

Pyrausta futilalis (Lederer): *Mesostenus thoracicus*.

Pyrausta nubilalis (Huebner): *Campoletis argentifrons*, *Gambrus bituminosus*, *Horogenes punctorius*, *Itopectis conquistator*, *Melanichneumon brevicinctor*, *Scambus pterophori*, *Zaleptopygus flavo-orbitalis*.

Pyrausta penitalis (Grote): *Cremastus facilis*, *Gambrus bituminosus*, *Labrorychus prismaticus*.

Pyrausta subsequialis (Guenée): *Horogenes acutus*, *Glypta vulgaris*.

Pyrausta theseusalis (Walker): *Gambrus nuncius*.

(NYMPHULINAE)

Nymphula oblitalis (Walker): *Apsilops hirtifrons*.

Nymphula sp.: *Apsilops hirtifrons*.

THYRIDIDAE

Meskea dyspteraria Grote: *Calliephialtes grapholithae*.

MEGALOPYGIDAE

Megalopyge opercularis (Abbot & Smith): *Compsocryptus retentor*.

LIMACODIDAE

Sibine stimulea (Clemens): *Acrolyta nigricapitata*.

Alarodia slossoniae (Packard): *Christolia texana*.

(Group MACROLEPIDOPTERA)

GEOMETRIDAE

(OENOCRROMINAE)

Alsophila pometaria (Harris): *Phobocampe clisiocampae*.

(GEOMETRINAE)

Synchlora aerata (Fabricius): *Hyposoter sarntheinii*.

Synchlora rubrifrontaria Packard: *Campoplegidea variabilis*.

Synchlora sp.: *Hyposoter synchlora*.

(LARENTIINAE)

Calocalpe undulata (Linnaeus): *Campoplex validus*.

Coryphista meadii (Packard): *Coccygomimus aequalis*, *Cratichneumon signatipes*.

Eupithecia miserulata Guenée: *Charops eupitheciae*.

Lygris diversilineata (Huebner): *Campoplegidea diversa*.

Hydriomena divisaria (Walker): *Campoplegidea luctuosa*, *Euceros thoracicus*.

Eulype hastata gothicata (Guenée): *Campoplegidea lapponica kukakensis*.

(ENNOMINAE)

Bapta semiclarata (Walker): *Campoplegidea quebecensis*.

Semiothisa bisignata (Walker): *Charops eupitheciae*.

Semiothisa granitata (Guenée): *Campoplegidea lobata*, *Campoplegidea vicina*,
Charops eupitheciae, *Euceros frigidus*, *Euceros thoracicus*, *Platylabus ornatus*.

Semiothisa sexmaculata (Packard): *Campoplegidea vicina*.

Itame sulphurea (Packard): *Melanichneumon brevicinctor*, *Pterocormus putus*.

Ematurga amitaria (Guenée): *Campoplegidea variabilis*, *Cratichneumon sublatus*.

Paraphia piniata Packard: *Coelichneumon caeruleus*.

Protoboarmia porcelaria (Guenée): *Coccygomimus pedalis*, *Cratichneumon acerbus*, *Cratichneumon promptus*, *Mastrus aciculatus*.

Phigalia titea (Cramer): *Campoplegidea vitticollis*, *Phobocampe flavipes*.

Erannis tiliaria (Harris): *Phobocampe flavipes*.

Nematocampa limbata (Haworth): *Itopectis conquisitor*.

Ennomos subsignarius (Huebner): ? *Ephialtes annulicornis*, *Glypta simplicipes*,
Itopectis conquisitor, *Phobocampe flavipes*, *Scambus hispae*, *Theronia atlantae*.

Sabulodes caberata Guenée: *Ophion magniceps*.

Nepytiya canosaria (Walker): *Aoplus velox*, *Ephialtes ontario*, *Itopectis conquisitor*.

Caripeta divisata Walker: *Euceros thoracicus*.

Lambdina fiscellaria fiscellaria (Guenée): *Aoplus velox*, *Campoplegidea ellopiae*,
Coccygomimus pedalis, *Ephialtes ontario*, *Itopectis conquisitor*, *Itopectis obesus*, *Mastrus argeae*, *Mesochorus hamatus*.

Lambdina fiscellaria lugubrosa (Hulst): *Ephialtes ontario*.

Lambdina fiscellaria somniaria (Hulst): *Aoplus cestus*, *Coccygomimus ellopiae*,
Ephialtes ontario, *Itopectis obesus*.

Lambdina sp.: *Aoplus cestus*, *Coccygomimus sanguineipes*, *Itopectis obesus*.

Cingilia catenaria (Drury): *Itopectis conquisitor*, *Therion morio*.

Prochoerodes forficaria (Guenée): *Coelichneumon caeruleus*, *Melanichneumon zebratus*.

Prochoerodes forficaria catenulata Grote: *Coccygomimus sanguineipes*.

(Miscellaneous Geometridae)

- Canker worm: *Horogenes oculus*, *Melanichneumon residuus*.
 Geometrid on *Betula alba*: *Phobocampe geometrae*.
 Geometrid on black oak: *Thyreodon atricolor flavicorne*.
 Geometrid on *Physalis viscosa*: *Phytodietus vulgaris*.
 Geometrid on woodbine: *Pterocormus laetus*.

DREPANIDAE

- Oreta rosea* (Walker): *Theronia atalantae*.
Drepana bilineata (Packard): *Enicospilus purgatus*.

ZANOLIDAE

- Apatelodes torrefacta* Abbott & Smith: *Enicospilus americanus*.

LASIOCAMPIDAE

- Artace cribraria* (Ljungh): *Enicospilus glabratus*.
Tolyte laricis (Fitch): *Chromocryptus planosae*.
Tolyte velleda (Stoll): *Chromocryptus planosae*.
Malacosoma ambisimile (Dyar): *Hyposoter fugitivus pacificus*.
Malacosoma americanum (Fabricius): *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Gambrus extrematis*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.
Malacosoma californicum (Packard): *Hyposoter fugitivus*, *Iseropus californiensis*, *Iseropus coelebs*.
Malacosoma constrictum (Stretch): *Iseropus californiensis*, *Iseropus coelebs*.
Malacosoma disstria (Huebner): *Campoplegidea vitticollis*, *Coccygomimus pedalis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.
Malacosoma disstria erosum (Stretch): *Campoplex validus*.
Malacosoma fragile (Stretch): *Coccygomimus sanguineipes*, *Itoplectis atrocoxalis*, *Itoplectis conquisitor*, *Labrorychus analis*.
Malacosoma pluviale (Dyar): *Hyposoter fugitivus pacificus*.
Malacosoma sp.: *Anomalon exile*, *Gambrus extrematis*, *Itoplectis atrocoxalis*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.
Epicnaptera americana (Harris): *Chromocryptus planosae*.

LYMANTRIIDAE

- Byrdia groenlandica* (Homeyer): *Hyposoter pectinatus*.
Byrdia rossii (Curtis): *Cratichneumon lariae*.
Notolophus antiquus (Linnaeus): *Campoplex validus*, *Charops limenitidis*, *Cratichneumon unifasciatus*, *Ephialtes pacificus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Phobocampe pallipes*, *Scambus hispae*.

Notolophus antiquus badius (Hy. Edwards): *Coccygomimus pedalis*, *Iseropus brunneifrons*.

Hemerocampa definita (Packard): *Iseropus coelebs*.

Hemerocampa leucostigma (Abbott & Smith): *Bathythrix pimplae*, *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Cratichneumon unifasciatorius*, *Gelis insolitus*, *Gelis tenellus*, *Haplaspis mandibularis*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itopectis conquisitor*, *Labrorychus analis*, ?*Melanichneumon subcyaneus*, *Phobetes thyridopteryx*, *Phobocampe clisiocampae*, *Pterocormus laetus*, *Scambus hispae*, *Theronia atalantae*.

Hemerocampa oslari (Barnes): *Coccygomimus sanguineipes*, *Iseropus brunneifrons*.

Hemerocampa pseudotsugata McDunnough: *Coccygomimus sanguineipes*, *Glypta fumiferanae*, *Iseropus brunneifrons*, *Itopectis obesus*, *Phobocampe pallipes*, *Theronia atalantae*.

Hemerocampa vetusa var. **gulosa** (Hy. Edwards): *Iseropus orgyiae*.

Hemerocampa sp.: *Iseropus coelebs*, *Iseropus orgyiae*, *Itopectis conquisitor*, *Theronia atalantae*.

Olene atomaria (Walker): *Hyposoter parorygiae*, *Hyposoter rubiginosus*.

Olene basiflava (Packard): *Charops limenitidis*, *Hyposoter rubiginosus*.

Olene leucophaea (Abbott & Smith): *Itopectis conquisitor*, *Theronia atalantae*.

Olene plagiata pinicola Dyar: *Coccygomimus pedalis*.

Olene sp.: *Iseropus coelebs*.

Porthetria dispar (Linnaeus): *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe disparis*, *Theronia atalantae*, *Theronia hilaris*.

Stilpnotia salicis (Linnaeus): *Coccygomimus pedalis*, *Itopectis atrocoxalis*, *Itopectis conquisitor*, *Theronia atalantae*.

Nygmia phaeorrhoea (Donovan): *Anomalon exile*, *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe clisiocampae*, *Theronia atalantae*.

"Liparid" on *Pinus* sp.: *Pterocormus burkei*.

Tussock moth: *Coccygomimus aequalis*.

NOTODONTIDAE

Ichthyura inclusa Huebner: *Campoplex validus*, *Labrorychus analis*.

Ichthyura strigosa Grote: *Campoplex validus*.

Ichthyura sp.: *Syzeuctus elegans*.

Datana angusii Grote & Robinson: *Therion morio*.

Datana contracta Walker: *Aphanistes hyalinis*, *Heteropelma fulvicorne*.

Datana integerrima Grote & Robinson: *Heteropelma datanae*, *Heteropelma fulvicorne*, *Labrorychus relictus*.

Datana ministra (Drury): *Coccygomimus aequalis*, *Heteropelma fulvicorne*, *Hyposoter fugitivus*, *Labrorychus relictus*.

Datana perspicua Grote & Robinson: *Heteropelma fulvicorne*, *Phobocampe clisiocampae*.

Datana sp.: *Megarhyssa atrata*.

Datana sp. on *Hammamelis virginiana*: *Heteropelma fulvicorne*.

Datana sp. on *Juglans* sp.: *Heteropelma datanae*.

Pheosia rimosa Packard: *Campoplegidea semirufa*.

Symmerista albifrons (Abbott & Smith): *Aphanistes hyalinis*, *Ophion tityri*.

Heterocampa bilineata (Packard): *Glypta simplicipes*.

Heterocampa guttivitta (Walker): *Coccygomimus pedalis*, *Cratichneumon sub-latus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Pterocormus heterocampae*.

Heterocampa manteo (Doubleday): *Ophion bilineatus*.

Fentonia marthesia (Cramer): *Coccygomimus aequalis*.

Schizura concinna (Abbott & Smith): *Aphanistes hyalinis*, *Campoplex validus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Netelia deceptor*, *Phobocampe clisiocampae*.

Schizura unicornis (Abbott & Smith): *Enicospilus purgatus*.

"**Notodonta**" sp. on *Populus tremuloides*: *Mesochorus luteipes*.

DIOPTIDAE

Phryganidia californica Packard: *Itopectis behrensii*.

PHALAEINIDAE

(AGARISTINAE)

Alypia octomaculata (Fabricius): *Netelia geminata*.

(ACRONICTINAE)

Acronicta americana (Harris): *Therion fuscipenne*.

Acronicta betulae Riley: *Mastrus pilifrons*.

Acronicta hastulifera (Abbott & Smith): *Therion confusum*, *Therion fuscipenne*.

Acronicta hesperida Smith: *Therion fuscipenne*.

Acronicta impressa Walker: *Therion fuscipenne*.

Acronicta obliterata (Abbott & Smith): *Charops genuina*, *Cratichneumon unifasciatus*, *Cyrtobasis bicarinata*, *Horogenes acronyctae*, *Metopius pollinctorius*.

Acronicta radcliffei (Harvey): *Netelia platypes*.

Acronicta sp.: *Ectopimorpha wilsoni*, *Enicospilus americanus*, *Ophion slossonae*.

Acronicta sp. secondary: *Gelis tenellus*.

Merolonche lupini (Grote): *Therion confusum*, *Therion fuscipenne*.

Simyra henrici (Grote): *Iseropus brunneifrons*, *Iseropus coelebs*.

(PHALAEININAE)

Euxoa excellens (Grote): *Pseudamblyteles nuncius*, *Pseudamblyteles subfuscus*.

Euxoa ochrogaster (Guenée): *Campoplex atkinsoni*, *Pseudamblyteles subfuscus*.

Chorizagrotis auxiliaris (Grote): *Amblyteles subrufus*, *Exetastes lasius*, *Pseudamblyteles nuncius*, *Pseudamblyteles subfuscus*, *Pterocormus longulus*.

- Agrotis gladiaria** Morris: *Ophion bilineatus*.
Agrotis malefida Guenée: *Exetastes bifenestratus*.
Agrotis orthogonia Morris: *Netelia ocellata*.
Agrotis ypsilon (Rottensburg): *Campoletis argentifrons*, *Ophion bilineatus*.
Agrotis sp.: *Exetastes bifenestratus*.
Feltia ducens Walker: *Erigorgus propinquus*, *Ophion bilineatus*, *Pseudamblyteles suturalis*.
Feltia subterranea (Fabricius): *Enicospilus purgatus*.
Peridroma margaritosa (Haworth): *Campoletis argentifrons*, *Coccygomimus sanguineipes*, *Coelichneumon maurus*, *Enicospilus purgatus*, *Pterocormus cupitus*.
Amathes badinodis (Grote): *Netelia geminata*, *Netelia sayi*.
Amathes c-nigrum (Linnaeus): *Ophion bilineatus*, *Pseudamblyteles comes*, *Pterocormus laetus*, *Pterocormus lividulus*, *Pterocormus purpuripennis*.
Abagrotis alternata (Grote): *Exetastes bituminosus*.

(HADENINAE)

- Scotogramma trifolii** (Rottensburg): *Enicospilus purgatus*.
Barathra curialis (Smith): *Banchus flavescens*.
Polia legitima (Grote): *Banchus inermis*, *Netelia deceptor*.
Lacinipolia stricta (Walker): *Campoletis argentifrons*.
Anarta sp.: *Hyposoter frigidus*.
Nephelodes emmedonia (Cramer): *Campoletis oxylus*.
Morrisonia confusa (Huebner): *Campoletis argentifrons*.
Ceramica picta (Harris): *Campoletis argentifrons*, *Enicospilus purgatus*, *Hyposoter annulipes*.
Dargida procincta (Grote): *Campoletis argentifrons*.
Neleucania sp.: *Campoletis argentifrons*.
Protoleucania albilinea (Huebner): *Anomalon apicale*, *Hyposoter nigrolineatus*, *Ichneumon obsoletus*, *Netelia geminata*.
Cirphis latiuscula (Herrich-Schaeffer): *Enicospilus purgatus*.
Cirphis multilinea (Walker): *Enicospilus purgatus*.
Cirphis unipuncta (Haworth): *Acrolyta nigricapitata*, *Campoletis oxylus*, *Coccygomimus pedalis*, *Cratichneumon paratus*, *Diplazon scutellaris*, *Enicospilus purgatus*, *Gelis minimus*, *Gelis tantillus*, *Melanichneumon brevicinctus*, *Mesochorus discitergus*, *Netelia geminata*, *Pseudamblyteles koebelei*, *Pseudamblyteles suturalis*, *Pterocormus brevipennis*, *Pterocormus canadensis*, *Pterocormus funestus*, *Pterocormus jucundus*, *Pterocormus purpuripennis*.
"Hadena" sp.: *Hyposoter frigidus*.
"Mamestra" sp.: *Hyposoter annulipes*.

(CUCULLINAE)

- Cucullia asteroides** Guenée: *Exetastes suaveolens*.
Cucullia intermedia Speyer: *Amblyteles nubivagus*.

- Graptolitha antennata** (Walker): *Netelia sayi*.
Graptolitha sp.: *Campoplegidea diversa*.
Epiglaea apiata (Grote): *Campoletis oxlyus*.
Metaxaglaea inulta (Grote): *Ophion bilineatus*.
Pyreferra hesperidago (Guenée): *Netelia sayi*.
Rusina bicolorago (Guenée): *Ophion bilineatus*, *Ophion idoneus*.

(AMPHIPYRINAE)

- Crymodes devastator** (Brace): *Lissonota varia*, *Pterocormus jucundus*.
Luperina stipata (Morris): *Ectopimorpha luperinae*, *Lissonota brunnea*, *Pterocormus jucundus*.
Oligia fractilinea (Grote): *Campoletis oxylus*, *Lissonota rufipes*, *Pterocormus laetus*.
Hydroecia immanis Guenée: *Pterocormus subdolos*.
Papaipema cataphracta Grote: ?*Coelichneumon orpheus*, *Lissonota brunnea*, ?*Pterocormus laetus*.
Papaipema circumlucens Smith: *Pterocormus jucundus*.
Papaipema duplicata Bird: *Pterocormus laetus*.
Papaipema impecuniosa (Grote): *Chasmias scelestus*.
Papaipema nebris (Guenée): *Campoletis oxylus*, ?*Coelichneumon orpheus*, *Lissonota brunnea*, *Pterocormus jucundus*, *Pterocormus laetus*.
Calloplistria floridensis (Guenée): *Melanichneumon brevicinctor*.
Macronoctua onusta Grote: *Melanichneumon brevicinctor*, *Melanichneumon rubicundus*, *Pterocormus jucundus*, *Pterocormus laetus*.
Phosphila turbulenta Huebner: *Aphanistes hyalinis*, *Therion petiolatum*.
Prodenia dolichos (Fabricius): *Netelia geminata*.
Prodenia eridania (Cramer): *Ophion bilineatus*.
Prodenia ornithogalli Guenée: *Campoletis argentifrons*, *Campoletis flavicinctus*, *Enicospilus purgatus*, *Hyposoter nigrolineatus*, *Ophion bilineatus*.
Prodenia praefica Grote: *Cryptus tejonensis*, *Hyposoter exiguae*, *Pterocormus dif-
 ficilis*.
Prodenia sp.: *Campoletis argentifrons*, *Pristomerus appalachianus*.
Laphygma exigua (Huebner): *Campoletis argentifrons*, *Campoplex caradrinae*, *Hyposoter exiguae*, *Hyposoter nigrolineatus*, *Ophion bilineatus*, *Pristomerus appalachianus*.
Laphygma frugiperda (Abbott & Smith): *Campoletis argentifrons*, *Campoletis oxylus*, *Enicospilus purgatus*, *Netelia geminata*, *Ophion bilineatus*, *Pristomerus appalachianus*.
Zotheca tranquilla Grote: *Glypta simplicipes*, *Scambus alboricta*.
Achatodes zeae (Harris): *Amblyteles consignatus*, *Chasmias scelestus*, *Coccygomimus aequalis*, *Coelichneumon caeruleus*, *Lissonota brunnea*, *Melanichneumon brevicinctor*, *Scambus pterophori*.
Pyrria umbra (Hufnagel): *Hyposoter annulipes*.
Catabena lineolata Walker: *Exetastes septum*.

(HELIOTHIINAE)

- Heliothis armigera** (Huebner): *Campoletis argentifrons*, *Hyposoter annulipes*,
Hyposoter exiguae, *Netelia sayi*, *Netelia spinipes*.
Heliothis sp.: *Campoplegidea laticincta*.

(ACONTIINAE)

- Eublemma minima** (Guenée): *Delomerista novita*.

(PLUSIINAE)

- Autographa brassicae** (Riley): *Aoplus cincticornis*, *Campoletis tibiator*, *Itopectis conquisitor*.
Autographa californica (Speyer): *Campoletis websteri*, *Itopectis atrocoxalis*.
Autographa falcifera (Kirby): *Charops infesta*.
Autographa sp.: *Campoletis argentifrons*.
Plusia precationis (Guenée): *Hyposoter annulipes*.

(CATOCALINAE)

- Catocala antinympha** (Huebner): *Hyposoter annulipes*.
Catocala sp.: *Coelichneumon viola*.
Paralellia bistriaris Huebner: *Netelia longipalpus*.
Zale lunata (Drury): *Netelia strigilobus*.
Melipotis jucunda Huebner: *Netelia pallens pallens*.
Anticarsia gemmatilis (Huebner): *Coccygomimus aequalis*, *Ophion bilineatus*.
Scoliopteryx libatrix (Linnaeus): *Enicospilus arcuatus*, *Enicospilus purgatus*.
Alabama argillacea (Huebner): *Coccygomimus aequalis*, *Enicospilus purgatus*,
Gambrus nuncius, *Itopectis conquisitor*.
Anomis erosa Huebner: *Itopectis conquisitor*.

(HERMINIINAE)

- Epizeuxis aemula** (Huebner): *Campoletis heliae*.
Bleptina sp.: *Itopectis conquisitor*, *Melanichneumon brevicinctor*.
Lascoria ambigualis (Walker): *Melanichneumon brevicinctor*.

(Miscellaneous phalaenids)

- Climbing cutworm: *Pterocormus laetus*.
Cutworm: *Campoletis argentifrons*, *Cryptus robustus*, *Ectopimorpha wilsoni*,
Exetastes illinoiensis, *Itopectis atrocoxalis*, *Lissonota varia*, *Pseudamblyteles koebelei*.
Phalaenid: *Amblyteles ormenus*, *Aoplus velox*, *Aphanistes puparum*, ?*Campoplegidea assita*, *Lissonota varia*, *Pterocormus laetus*, *Syzeuctus elegans*,
Therion circumflexum, *Therion merio*.
Phalaenid on *Betula lenta*: *Hyposoter noctuae*.

ARCTIIDAE

Halisidota caryae (Harris): *Aphanistes hyalinis*, *Cratichneumon unifasciatorius*, *Iseropus coelebs*, *Ophion tityri*, *Theronia hilaris*.

Halisidota maculata (Harris): *Coccygomimus pedalis*, *Enicospilus glabratus*, *Erigorgus elongatus*, *Therion morio*, *Theronia hilaris*.

Halisidota tessellaris (Abbott & Smith): *Cratichneumon unifasciatorius*, *Netelia unguicularis*, *Scambus hispae*.

Halisidota sp.: *Coccygomimus pedalis*, *Cratichneumon unifasciatorius*, *Theronia hilaris*.

Cycnia inopinata (Hy. Edwards): *Therion morio*, *Therion sassacus*.

Cycnia tenera Huebner: *Campoplex validus*, *Labrorychus analis*, *Therion sassacus*.

Euchaetias egle (Drury): *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, *Mesochorus discitergus*.

Diacrisia virginica (Fabricius): *Coccygomimus sanguineipes*, *Cratichneumon signatipes*, *Cratichneumon unifasciatorius*, *Enicospilus glabratus*, *Heteropelma fulvicorne*, *Hyposoter pilosulus*, *Melanichneumon subcyaneus*, *Ophion bilineatus*, *Therion morio*, *Therion tenuipes*.

Isia isabella (Abbott & Smith): *Campoplex validus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Conocalama nubilipennis*, *Cratichneumon signatipes*, *Cryptus albitarsis*, *Enicospilus americanus*, *Enicospilus glabratus*, *Gnamptopelta obsidianator*, *Pterocormus centrator*.

Estigmene acrea (Drury): *Charops genuina*, *Therion morio*.

Hyphantria cunea (Drury): *Campoplex validus*, *Charops genuina*, *Charops limenitidis*, *Enicospilus glabratus*, *Erigorgus ambiguus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Itopectis conquisitor*, *Melanichneumon brevicinctor*, *Melanichneumon subcyaneus*, *Phobocampe pallipes*, *Pterocormus cinctitarsis*, *Therion morio*, *Therion sassacus*.

Hyphantria sp.: *Itopectis conquisitor*, ?*Polytribax pallescens*.

Ecpantheria deflorata (Fabricius): *Enicospilus glabratus*.

Arctia sp.: *Cratichneumon unifasciatorius*, *Pseudamblyteles lewisii*.

Arctiid: *Coelichneumon caeruleus*, *Cratichneumon unifasciatorius*, *Melanichneumon subcyaneus*, *Ophion bifoveolatus*.

Woolly bear: *Charops genuina*.

NOLIDAE

Celama sorghiella (Riley): *Cremastus minor*.

Nola sp. on *Salix* sp.: *Campoplex nolae*.

CTENUCHIDAE

Ctenucha virginica (Charpentier): *Iseropus brunneifrons*, *Pterocormus canadensis*.

CITHERONIIDAE

- Anisota rubicunda** (Fabricius): *Hyposoter fugitivus*.
Anisota senatoria (Abbott & Smith): *Gelis tenellus*, *Hyposoter fugitivus*.
Anisota stigma (Fabricius): *Hyposoter fugitivus*.
Anisota virginiensis (Drury): *Hyposoter fugitivus*.

SATURNIIDAE

- Philosamia walkeri advena** Packard: *Enicospilus americanus*.
Rothschildia orizaba (Westwood): *Enicospilus americanus*.
Samia cecropia (Linnaeus): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Ophion bilineatus*, *Theronia atalantae*.
Samia columbia Smith: *Enicospilus americanus*, *Gambrus extrematis*, *Mastrus smithii*.
Samia rubra (Behr): *Enicospilus americanus*.
Callosamia promethea (Drury): *Enicospilus americanus*, *Enicospilus glabratus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus compactus*, *Ophion bifoveolatus*.
Tropaea luna (Linnaeus): *Enicospilus americanus*, *Metopius pollinatorius*.
Telea polyphemus (Cramer): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus smithii*.
Automeris io (Fabricius): *Enicospilus americanus*, *Enicospilus glabratus*, *Hyposoter fugitivus*.
Coloradia pandora Blake: *Gelis tenellus*.
Hemileuca lucina Hy. Edwards: *Itopectis conquisitor*.
Hemileuca maia (Drury): *Coccygomimus sanguineipes*, *Hyposoter fugitivus*.
Hemileuca oliviae Cockerell: *Coccygomimus sanguineipes*, *Itopectis conquisitor*.
Hemileuca lucina Hy. Edwards or **maia** (Drury): *Glypta erratica*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Itopectis conquisitor*.

SPHINGIDAE

- Dolba hylaeus** (Drury): *Conocalama brullei*.
Sphinx kalmiae Abbott & Smith: *Tricyphus apicalis*.
Sphinx luscitiosa Clemens: *Heteropelma fulvicorne*.
Lapara coniferarum (Abbott & Smith): *Thyreodon atricolor atricolor*.
Smerinthus jamaicensis (Drury): *Mesochorus discitergus*.
Paonias astylus (Drury): *Conocalama brullei*.
Paonias excaecatus (Abbott & Smith): *Thyreodon atricolor atricolor*.
Paonias myops (Abbott & Smith): *Conocalama brullei*, *Conocalama copei*, *Conocalama copei* var. *nigrocinctus*.
Ampeloeca myron (Cramer): *Tricyphus elegans vulpinus*.
Ampeloeca sp.: *Conocalama nubilipennis*.
Sphecodina abbottii (Swainson): *Conocalama nubilipennis*.
Proserpinus juanita (Strecker): *Catadelphus atrox*.

HESPERIIDAE

Proteides clarus (Cramer): *Cratichneumon signatipes*, *Ophion tityri*, *Polytribax pallescens*, *Theronia hilaris*.

Pholisora catullus (Fabricius): *Hyposoter fugitivus*.

Hesperiid pupa: *Amblyteles subrufus*.

LYCAENIDAE

Strymon melinus (Huebner): *Labrorychus pseudargioli*.

Lycaena hypophlaeas (Boisduval): *Pterocormus maius*.

Lycaenopsis pseudargiolus (Boisduval & Leconte): *Isdromas lycaenae*, *Labrorychus pseudargioli*.

"**Lycaena**" sp.: *Amblyteles subrufus*.

NYMPHALIDAE

Argynnis sp.: *Coccygomimus sodalis*.

Euphydryas chalcodon (Doubleday & Hewitson): *Benjaminia fuscipennis*, *Gelis tenellus*.

Euphydryas phaëton (Drury): *Benjaminia euphydryadis*, *Pterocormus maius*.

Melitaea harrisii Scudder: *Benjaminia euphydryadis*, *Hoplismenus propitius*.

Phyciodes tharos (Drury): *Hoplismenus propitius*.

Polygonia comma (Harris): *Cryptus albitarsis*, *Glypta erratica*, *Pterocormus rufiventris*.

Polygonia faunus (Edwards): *Pterocormus maius*.

Polygonia interrogationis (Fabricius): *Hoplismenus morulus*, *Pterocormus caliginosus*.

Polygonia satyrus (Edwards): *Pterocormus caliginosus*.

Nymphalis antiopa (Linnaeus): *Coelichneumon maurator*, *Hoplismenus morulus*, *Itoplectis conquisitor*.

Nymphalis californica (Boisduval): *Theronia atalantae*.

Nymphalis milberti (Goedart): *Pterocormus rufiventris*.

Vanessa atalanta (Linnaeus): *Campoletis argentifrons*, *Pterocormus caliginosus*.

Vanessa cardui (Linnaeus): *Hyposoter fugitivus*, *Itoplectis conquisitor*, *Pterocormus rufiventris*, *Therion morio*, *Trogus pennator*.

Vanessa virginiensis (Drury): *Pterocormus rufiventris*.

Basilarchia archippus (Cramer): *Charops limenitidis*, *Hyposoter disippi*, *Pterocormus caliginosus*.

Asterocampa celtis (Boisduval & Leconte): *Hyposoter fugitivus*.

Asterocampa clyton (Boisduval & Leconte): *Charopsimorpha tibialis*, ?*Coccygomimus aequalis*, *Hyposoter fugitivus*.

SATYRIDAE

Oeneis melissa (Fabricius): *Pterocormus instabilis*.

PIERIDAE

Colias notatus eurytheme Boisduval: *Hyposoter exiguae*, *Nepiera benevola*.

Colias notatus notatus (Megerle) secondary: *Mesochorus discitergus*.

Neophasia menapia (Felder & Felder): *Theronia atalantae*.

Pieris rapae (Linnaeus): *Itopectis conquisitor*, *Mesochorus pieridicola*, *Trogus pennator*.

PAPILIONIDAE

Papilio ajax Linnaeus: *Conocalama nubilipennis*, *Gnamptopelta obsidianator*, *Trogus pennator*.

Papilio brevicauda Saunders: *Trogus pennator*.

Papilio cresphontes Cramer: *Gelis tenellus*.

Papilio eurymedon Lucas: *Trogus edwardsii*, *Trogus fulvipes*, *Trogus pennator*.

Papilio glaucus Linnaeus: *Trogus fulvipes*, *Trogus pennator*.

Papilio marcellus Linnaeus: *Coccygomimus aequalis*, *Itopectis conquisitor*, *Therion morio*, *Trogus pennator*.

Papilio rutulus Lucas: *Trogus pennator*.

Papilio troilus Linnaeus: *Calliephialtes notandus*, *Trogus pennator*.

Papilio zelicaon Lucas: *Trogus pennator*.

Papilio sp.: *Trogus edwardsii*.

Miscellaneous Lepidoptera of Unknown Family

Blackish-gray leaf roller on *Populus* sp.: *Lissonota parva*.

Blossom worm on *Vaccinium macrocarpon*: *Campoletis oxylus*.

Bombycid? on *Gnaphalium* sp.: *Gambrus extrematis*.

"**Bombyx**" sp.: *Cratichneumon unifasciatorius*.

Bud moth: *Itopectis conquisitor*.

Cocoon under bark of *Pinus* sp.: *Enicospilus glabratus*.

Fruit tree leaf roller: *Itopectis obesus*.

Gall on *Quercus* sp.: *Diplazon laetatorius*.

Gall on *Solidago* sp.: *Campoplex depressus*.

Grape vine larva: *Charops genuina*.

Insect in cones of *Abies shastensis*: *Pimplopterus conocola*.

Larva on *Carya* sp.: *Hyposoter noctuae*.

Larva on *Clematis* sp.: *Iseropus coelebs*.

Leaf miner: *Itopectis conquisitor*.

Leaf roller on *Fragaria* sp.: *Coccygomimus aequalis*.

Leaf roller on *Fraxinus* sp.: *Iseropus coelebs*.

Leaf roller on *Malus pumila*: *Hyposoter annulipes*.

Leaf roller on plum: *Ischnus atricollaris*.

Leaf roller on *Robinia pseudoacacia*: *Calliephialtes notandus*.

Leaf roller on *Rosa* sp.: *Pimplopterus parvus*.

Leaf roller on *Rubus allegheniensis*: *Toxophoroides scitulus*.

Leaf tier on *Azalea* sp.: *Glypta simplicipes*.

Leaf tier on *Quercus* sp.: *Itopectis conquisitor*.

Lepidopteran: *Coccygomimus nudus*, *Coelichneumon orpheus*, *Cratichneumon facetus*, *Cratichneumon unifasciatus*, *Cryptohelcostizus alamedensis*, *Cryptus arcticus*, *Horogenes compressus*, *Phytodietus fumiferanae*.

Lepidopteran on *Aesculus* sp.: *Itopectis conquisitor*.

Lepidopteran on *Castanea dentata*: *Phytodietus burgessi*.

Lepidopteran on *Myrica gale*: *Itopectis conquisitor*.

Lepidopteran on *Prunus virginiana*: *Iseropus coelebs*.

Lepidopterous gall on *Baccharis pilularis*: *Lampronota pleuralis*.

Lepidopterous gall on *Aplopappus squarrosus*: *Scambus aplopappi*.

Lepidopterous leaf-roller on *Malus pumila*: *Glypta simplicipes*.

Lepidopterous leaf-roller on *Platanus occidentalis*: *Scambus alboricta*.

Lepidopterous leaf-tier on *Crataegus* sp.: *Glypta rufiscutellaris*.

Lepidopterous stem borer in *Eupatorium* sp.: *Glypta erratica*.

Medium-sized hairy caterpillar: *Anomalon apicale*.

Moth pupa: *Coelichneumon caeruleus*.

Moth pupa on *Brassica oleracea*: *Aoplus cincticornis*.

Pod borer in *Iris* sp.: *Horogenes kiehtani*.

Pupa in folds of leaf of *Prunus persica*: *Meniscus quadricinctus*.

Small moth pupa: *Cratichneumon paratus*.

Tent caterpillar: *Cryptus altonii*, *Hyposoter fugitivus pacificus*.

DIPTERA

FUNGIVORIDAE

Zelmira inops (Coquillett): *Megastylus caseyi*.

Insect in *Polyporus applanatus*: *Eusterinx fungicola*.

SYRPHIDAE

(SYRPHINAE)

Allograpta exotica (Wiedemann): *Diplazon laetatorius*.

Allograpta obliqua (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Ethelurgus syrphicola*, *Syrphoctonus agilis*, *Syrphoctonus humeralis*, *Syrphoctonus pacificus*.

Allograpta sp.: *Diplazon laetatorius*.

Mesogramma polita (Say): *Diplazon laetatorius*.

Mesogramma sp.: *Diplazon laetatorius*.

Sphaerophoria cylindrica (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Diplazon tibiatorius*, *Syrphoctonus agilis*, *Syrphoctonus decoratus*.

Sphaerophoria robusta Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Promethes sulcator*, *Syrphoctonus agilis*.

Metasyrphus emarginatus (Say): *Syrphoctonus albopictus*.

Metasyrphus perplexus (Osburn): *Diplazon laetatorius*.

Metasyrphus vinelandi (Curran): *Diplazon laetatorius*, *Diplazon scutellaris*.

- Metasyrphus wiedemanni** (Johnson): *Diplazon laetatorius*, *Syrphoctonus agilis*.
Metasyrphus sp.: *Diplazon laetatorius*, *Syrphoctonus decoratus*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.
Syrphus rectus Osten Sacken: *Diplazon laetatorius*, *Ethelurgus syrphicola*.
Syrphus ribesii (Linnaeus): *Diplazon laetatorius*.
Syrphus ribesii vittafrons Shannon: *Diplazon laetatorius*.
Syrphus torvus Osten Sacken: *Diplazon laetatorius*, *Syrphoctonus pleuralis*.
Syrphus sp.: *Campoletis oxylus*, *Diplazon tibiatorius*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.
Scaeva pyrastris (Linnaeus): *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.
Eupeodes volucris Osten Sacken: *Diplazon laetatorius*, *Diplazon tibiatorius*, *Syrphoctonus decoratus*, *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.
Baccha clavata (Fabricius): *Diplazon laetatorius*, *Diplazon scutellaris*.
Baccha lemur Osten Sacken: *Diplazon laetatorius*.
Paragus bicolor (Fabricius): *Diplazon laetatorius*.
Paragus tibialis (Fallén): *Diplazon laetatorius*.
Platycheirus erraticus Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Syrphoctonus compressiventris*, *Zootrephus rufiventris*.

(CHEILOSIINAE)

- Cheilosia alaskensis** Hunter: *Syrphoctonus maculifrons*.
Cheilosia hoodiana (Bigot): *Syrphoctonus maculifrons*.

(ERISTALINAE)

- Merodon equestris** (Fabricius): *Rhembobius abdominalis pacificus*.

(HELIOPHILINAE)

- Citibaena strigatus** (Fallén): *Rhembobius abdominalis pacificus*.

(Miscellaneous Syrphidae)

- Syrphid**: *Diplazon laetatorius*, *Syrphoctonus agilis*, *Syrphoctonus maculifrons*, *Syrphoctonus pleuralis*.
 Larva on leaves of *Betula alba*: *Syrphoctonus pleuralis*.

CHLOROPIDAE

- Meromyza americana** Fitch: *Charops eupitheciae*.

SCIOMYZIDAE

- Sepedon fuscipennis** Loew: *Mesoleptus declivus*.

TEPHRITIDAE

- Epochra canadensis** Loew: *Phygadeuon epochrae*.
Eurosta solidaginis (Fitch): *Enicospilus purgatus*, *Iseropus coelebs*.

ANTHOMYIIDAE

Hylemya brassicae (Bouché): *Syrphoctonus albopictus*.

Fucellia sp.: ?*Phygadeuon cylindraceus*.

Anthomyiid on *Nicotiana tabacum*: *Stilpnus anthomyidiperda*.

MUSCIDAE

Muscid puparium: *Phygadeuon townsendi*.

TACHINIDAE

Paradexodes epilachnae Aldrich: *Phygadeuon subfuscus*.

Tachinid: *Mesochorus tachinae*, *Phygadeuon townsendi*.

Miscellaneous Diptera of Unknown Family

Dipteran: *Phygadeuon cylindraceus*, *Stenomacrus undulatus*.

Dipterous gall on *Cupressus macrocarpus*: *Campoplex cupressi*.

HYMENOPTERA

(SYMPHYTA)

ARGIDAE

Arge macleayi Leach: *Endasys mucronatus*.

Arge pectoralis Leach: *Iseropus coelebs*.

Arge salicis Rohwer: *Boethus nigripennis*.

Arge sp.: *Mastrus argeae*.

Sterictiphora ebena (Norton): *Boethus schizoceri*.

DIPRIONIDAE

Zadiprion grandis Rohwer: *Endasys subclavatus*, *Exenterus lophyri*, *Mastrus argeae*.

Neodiprion abbottii (Leach): *Lamachus lophyri*, *Olesicampe lophyri*.

Neodiprion abietis (Harris): *Agrothereutes lophyri*, *Charops genuina*, *Centeterus fungor*, *Delomerista diprionis*, *Euceros frigidus*, *Exenterus affinis*, *Gelis tenellus*, *Iseropus coelebs*, *Lamachus contortionis*, *Lamachus lophyri*, *Melanichneumon rubicundus*.

Neodiprion abietis (Harris) secondary: *Gelis tenellus*.

Neodiprion banksianae Rohwer: *Exenterus canadensis*.

Neodiprion fabricii (Leach): ?*Exenterus diprioni*.

Neodiprion lecontei (Fitch): *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus contortionis*, *Lamachus virginianus*.

Neodiprion sertifer (Geoffroy): *Exenterus flavissimus*.

Neodiprion swainei Middleton: ?*Exenterus affinis*, ?*Exenterus diprioni*.

Neodiprion tsugae Middleton: *Agrothereutes neodiprionis*, *Aptesis tsugae*, *Bathythrix areolaris*, *Bathythrix latifrons*, *Delomerista diprionis*, *Endasys subclavatus*, *Euceros faciens*, *Exenterus tsugae*, *Ischnus oregonensis*, *Itopectis obesus*, *Lamachus angularius*, *Lamachus tsugae*, *Mastrus argeae*, *Phaeogenes arcticus*, *Phaeogenes hariolus*.

Neodiprion sp.: *Aptesis indistincta*, *Coccygomimus pedalis*, *Endasys subclavatus*, *Euceros thoracicus*, *Exenterus affinis*, *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus lophyri*, *Mastrus argeae*.

Neodiprion sp. on *Pinus banksiana*: *Euceros neodiprioni*.

Neodiprion sp. on *Pinus resinosa*: *Exenterus affinis*.

Diprion hercyniae (Hartig): *Agrothereutes major*, *Aptesis basizonia*, *Aptesis indistincta*, *Coccygomimus pedalis*, *Delomerista diprionis*, *Endasys subclavatus*, *Exenterus amictorius*, *Exenterus canadensis*, *Exenterus claripennis*, *Gelis urbanus*, *Lamachus contortionis*, *Lamachus ruficoxalis*, *Mastrus argeae*, *Mesoleius aulicus*, *Orthocentrus pusillus*.

Diprion similis (Hartig): *Agrothereutes lophyri*, *Delomerista diprionis*, *Exenterus amictorius*, *Gelis tenellus*.

Diprionid: *Endasys subclavatus*, *Mastrus argeae*.

Sawfly on *Cedrus deodarus*: *Exenterus diprioni*.

CIMBICIDAE

Trichiosoma sp.: *Gambrus extrematis*, *Protarchus longipes*.

Cimbex americana Leach: *Agrothereutes cimbicivorus*, *Gambrus nuncius*, *Horigenes compressus*, *Mesochorus melleus*, *Opheltes glaucopterus flavipennis*.

TENTHREDINIDAE

Caliroa amygdalina Rohwer: *Hyperallus caliroae*.

Caliroa cerasi (Linnaeus): *Hypamblys albopictus*, *Rhorus caliroae*, *Rhorus nigratus*.

Caliroa sp. on *Nyssa sylvatica*: *Gnesia caliroae*, *Lathrolestes caliroae*.

Caliroa sp. on *Quercus prinus*: *Lathrolestes caliroae*.

Caliroa sp. on *Quercus rubra*: *Hyperallus virginienensis*.

Phyllotoma nemorata (Fallén): *Agrothereutes major*, *Alophosternum foliicola*, *Gelis obscurus*, *Gelis urbanus*, *Scambus hispae*.

Metallus rubi Forbes: *Campoletis argentifrons*, *Lathrolestes metalli*, *Lathrolestes rufigaster*.

Profenusa canadensis Marlatt: *Aptesis tenthredinarum*.

Hemichroa crocea (Fourcroy): *Diaborus mediatu*, *Mesoleius ovalis*.

Pristiphora californica Marlatt: *Hypamblys albopictus*.

Pristiphora erichsonii (Hartig): *Aptesis indistincta*, *Euceros thoracicus*, *Mesoleius aulicus*.

Pachynematus affinis Marlatt: *Syndipnus lateralis*.

Pachynematus ochreateus (Harrington): *Smicroplectrus velox*.

- Pikonema alaskensis** (Rohwer): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Smicroplectrus velox*, *Syndipnus gaspesianus*, *Syndipnus rubiginosus*.
- Pikonema dimmockii** (Cresson): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Syndipnus rubiginosus*.
- Nematus alnivora** Rohwer: *Olesicampe pteronideae*, *Polyterus olympiae*.
- Nematus californicus** Marlatt: *Scambus euurae*.
- Nematus corylus** (Cresson): *Olesicampe pteronideae*.
- Nematus marylandicus** Norton: *Pimplopterus frigidus*.
- Nematus pyriformis** Marlatt: *Scambus euurae*.
- Nematus resinicola** Marlatt: *Mesoleius euurae*.
- Nematus ribesii** (Scopoli): *Aptesia indistincta*.
- Nematus tibialis** Newman: *Endasys pubescens*.
- Nematus ventralis** Say: *Melanichneumon subcyaneus*, *Polyterus olympiae*.
- Nematus vertebratus** (Say): *Syndipnus probatus*.
- Nematus** sp.: *Pimplopterus frigidus*, ?*Smicroplectrus apicatus*, *Smicroplectrus robustus*.
- Nematus** sp. on *Populus* sp.: *Scopiorus quebecensis*.
- Euura salicisnodus** Walsh: *Calliephialtes grapholithae*, *Gambrus ultimus*.
- Euura** sp. on *Salix* sp.: *Olesicampe euurae*.
- Croesus latitarsis** Norton: *Polyblastus pedalis*.
- Ametastegia glabrata** (Fallén): *Bathythrix claviger*, *Cubocephalus minutus*, *Cubocephalus osculatus*, *Gambrus newcomeri*, *Mastrus smithii*, *Scambus pterophori*, *Ipoctoninus striatus*.
- Macremphytus tarsatus** (Say): *Mastrus smithii*.
- Tomostethus multicinctus** Rohwer: *Giraudia plana*, *Lathrolestes tomostethi*, *Oocenteter tomostethi*.
- Tenthredinid: *Exenterus pini*, *Polyterus olympiae*.
- Tenthredinid on *Populus tremuloides*: *Polyterus olympiae*.
- Tenthredinid on *Prunus pennsylvanica*: *Scopiorus subcrassus*.

XYELIDAE

- Xyela** sp.: *Idiogramma bridwelli*, *Idiogramma longicauda*.

XIPHYDRIIDAE

- Xiphydria abdominalis** Say: *Rhyssella humida*.
- Xiphydria attenuata** Norton: *Rhyssella humida*.
- Xiphydria canadensis** Provancher: *Rhyssella nitida*.
- Xiphydria champlaini** Rohwer: *Rhyssella humida*.
- Xiphydria erythrogaster** Ashmead: *Rhyssella humida*.
- Xiphydria maculata** Say: *Rhyssella nitida*.
- Xiphydria tibialis** Say: *Rhyssella humida*.

SIRICIDAE

- Sirex edwardsii** Brullé: *Rhyssa lineolata*.
Sirex sp.: *Megarhyssa nortoni*, *Rhyssa persuasoria*.
Urocerus albicornis (Fabricius): *Megarhyssa nortoni*, *Rhyssa lineolata*.
Urocerus cyaneus (Fabricius): *Rhyssa lineolata*.
Urocerus sp.: *Megarhyssa atrata*.
Xeris morrisoni (Cresson): *Megarhyssa nortoni*.
Xeris sp.: *Megarhyssa nortoni*, *Rhyssa lineolata*, *Rhyssa persuasoria*.
Tremex columba (Linnaeus): *Deuteroxorides vittifrons*, *Megarhyssa atrata*,
Megarhyssa greeni, *Megarhyssa macrurus*.
 Siricid: *Rhyssa lineolata*, *Rhyssa persuasoria*.

Miscellaneous Symphyta of Unknown Family

- Galls on *Salix* sp. made by ?sawflies: *Olesicampe modesta*.
 Sawfly: *Adelognathus pallipes*.
 Sawfly gall on *Salix* sp.: *Scambus euurae*.
 Sawfly on *Betula lenta*: *Campoplex nigricinctus*.
 Sawfly on *Betula nigra*: *Dicaelotus missouriensis*.
 Sawfly on blackberry: *Lathrolestes rufigaster*.
 Sawfly on *Ribes* sp.: *Olesicampe nematicidus*.
 Sawfly on *Salix* sp.: *Polyterus olympiae*.
 Sawfly on *Triticum aestivum*: *Mesostenus angustus*.

(APOCRITA)

BRACONIDAE

- Microbracon pygmaeus** (Provancher): *Gelis tenellus*.
Rogas laphygmae Viereck: *Gelis perniciosus*.
Rogas stigmator (Say): *Itoplectis conquisitor*.
Rogas terminalis Cresson: *Itoplectis conquisitor*.
Rogas sp.: *Cyrtobasis bicarinata*.
Microgaster sp.: ?*Gelis tantillus*, *Mesochorus discitergus*.
Microplitis ceratomiae Riley: *Mesochorus discitergus*.
Microplitis coactus Lundbeck: *Gelis terebrator*.
Microplitis croceipes (Cresson): *Mesochorus discitergus*.
Microplitis gortynae Riley: *Gelis spiraculus*, *Gelis tenellus*, *Haplaspis mandibularis*.
Microplitis melianae Viereck: *Mesochorus discitergus*.
Apanteles aletiae Riley: *Isdromas lycaenae*.
Apanteles congregatus (Say): *Isdromas mesochori*, *Mesochorus discitergus*,
 ?*Mesochorus pieridicola*.
Apanteles flaviconchae Riley: ?*Mesochorus discitergus*.
Apanteles lacteicolor Viereck: *Gelis obscurus*, *Gelis tenellus*.
Apanteles laeviceps Ashmead: *Hemiteles cincticornis*.

Apanteles melanoscelus (Ratzeburg): *Acrolyta nigricapitata*, *Alegina apantelis*, *Gelis apantelis*, *Gelis inutilis*, *Gelis nocuus*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Haplaspis mandibularis*, *Itopectis conquisitor*, *Mesochorus discitergus*.

Apanteles militaris (Walsh): *Gelis minimus*, *Gelis perniciosus*.

Apanteles smerinthi Ashmead: *Mesochorus discitergus*.

Apanteles solitarius (Ratzeburg): *Gelis apantelis*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*.

Apanteles sp.: *Gelis atratus*, *Haplaspis mandibularis*, *Isdromas mesochori*, *Mesochorus discitergus*.

Microgasterinae: *Mesochorus discitergus*.

Bracon vulgaris (Cresson): *Mesochorus agilis*.

Meteorus acronyctae Muesebeck: *Gelis tenellus*.

Meteorus communis (Cresson): *Bathytrix meteori*, ?*Gelis tenellus*, *Mesochorus discitergus*.

Meteorus datanae Muesebeck: *Gelis tenellus*.

Meteorus hyphantriae Riley: *Gelis tenellus*.

Meteorus laphygmae Viereck: *Gelis perniciosus*.

Meteorus versicolor (Wesmael): *Bathytrix triangularis*, *Gelis tenellus*, *Gelis urbanus*.

ICHNEUMONIDAE

Iseropus coelebs (Walsh): ?*Bathytrix pimplae*, *Campoplex validus*, *Itopectis conquisitor*, ?*Mastrus americanus*, *Phobetes thyridopteryx*.

Tromatobia rufopectus (Cresson): *Theronia bicincta*.

Coccygomimus pedalis (Cresson): ?*Theronia hilaris*.

Itopectis behrensii (Cresson): *Mastrus aciculatus*.

Itopectis conquisitor (Say): *Phobetes thyridopteryx*, *Theronia atalantae*.

Otacustes crassus crassus (Provancher): ?*Gelis tenellus*.

Gambrus extrematis (Cresson): *Bathytrix pimplae*, *Coccygomimus aequalis*, *Gelis tenellus*, *Itopectis conquisitor*, *Mastrus smithii*, *Theronia atalantae*.

Charops limenitidis (Howard): *Gelis tenellus*.

Campoplegidea ellopiae Walley: *Itopectis conquisitor*.

Phobocampe clisiocampae (Weed): *Itopectis conquisitor*.

Phobocampe geometrae (Ashmead): *Bathytrix triangularis*.

Hyposoter fugitivus fugitivus (Say): *Gelis tenellus*, *Iseropus coelebs*, *Itopectis conquisitor*, *Theronia atalantae*.

Hyposoter pilosulus (Provancher): *Gelis atratus*, *Gelis tenellus*.

Enicospilus americanus (Christ): *Gelis tenellus*, *Theronia atalantae*.

CYNIPIDAE

(CYNIPINAE)

Disholcaspis mamma (Walsh): *Scambus hispae*.

Diastrophus radicum Bassett: *Orthopelma diastrophii*.

- Diastrophus turgidus** Bassett: *Orthopelma mediator*.
Diplolepis ignota (Osten Sacken): *Orthopelma mediator*.
Diplolepis radicum (Osten Sacken): *Orthopelma diastrophii*.
Diplolepis rosae (Linnaeus): *Orthopelma mediator*.
Diplolepis rosaefolii (Cockerell): *Orthopelma mediator*.
Diplolepis similis (Ashmead): *Orthopelma occidentale*.
Diplolepis sp.: *Orthopelma mediator*.
 Cynipid gall on *Rosa* sp.: *Orthopelma californicum*, *Orthopelma mediator*.

CHALCIDIDAE

(EULOPHINAE)

- Dimmockia incongruus** (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.
Pleurotropis albitarsis (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.

VESPIDAE

- Ancistrocerus birenimaculatus** (Saussure) *Acroricnus aequatus junceus*.
Ancistrocerus tigris (Saussure): *Acroricnus aequatus junceus*.
Polistes canadensis annularis (Linnaeus): *Polistiphaga fulva*.
Polistes fuscatus (Fabricius): *Polistiphaga fulva*.
Polistes fuscatus pallipes Lepeletier: *Polistiphaga fulva*.
Polistes fuscatus rubiginosus Lepeletier: *Polistiphaga fulva*.
Polistes fuscatus variatus Cresson: *Polistiphaga fulva*.
Polistes sp.: *Polistiphaga fulva*, *Polistiphaga stupida*.
Vespula maculata (Linnaeus): *Sphecophaga burra*.
Vespula maculifrons (Buysson): *Sphecophaga burra*.

PSAMMOCHARIDAE

- Ageniella bombycina** (Cresson): *Messatoporus discoidalis*.
Ageniella petiolata (Cresson): *Messatoporus discoidalis*.
Pseudagenia mellipes (Say): *Messatoporus discoidalis*.
Ceropaes fraterna Smith: *Messatoporus discoidalis*.

SPHECIDAE

- Sceliphron caementarium** (Drury): *Acroricnus aequatus junceus*.
Pemphredon concolor Say: *Perithous pleuralis*.
Crabro sp.: ?*Grotea anguina*.

CERATINIDAE

- Ceratina calcarata** Robertson: *Grotea anguina*.
Ceratina dupla Say: *Gambrus zoesmairi*, *Grotea anguina*.

ARANEAE

DICTYNIDAE

Dictyna foliacea (Hentz): *Zatypota dictynae*.

GNAPHOSIDAE

Zelotes ater (Hentz): *Gelis prothesimae*.

Zelotes sp. eggs: *Lymeon orbus*.

Gnaphosid eggs: *Gelis bruesii*, *Gelis drassi*, *Gelis lymensis*, *Gelis obscurus*.

THERIDIIDAE

Steatoda borealis (Hentz): *Oxyrrhexis carbonator*.

Theridion sp.: *Zatypota theridii*.

ARGIOPIDAE

Araneus cornutus Clerk: *Polysphincta strigis*.

Araneus cornutus Clerk: nest *Gelis macer*.

Araneus sericatus Clerk: ? *Tromatobia zonata*.

Argiope argentata (Fabricius): eggs: *Tromatobia rufopectus*.

Argiope aurantia (Lucas) eggs: *Tromatobia rufopectus*, *Tromatobia scriptifrons*.

Neoscona arabesca Walckenaer: *Hymenoepimecis wiltii*.

Tetragnathus sp.: *Colpomeria kincaidii*.

"**Epeira**" sp.: *Polysphincta limata*.

Argiopid eggs: *Tromatobia rufopectus*.

Eggs of garden spider: *Tromatobia rufopectus*.

Eggs of green argiopid: *Tromatobia rufopectus*.

CLUBIONIDAE

Micaria sp. eggs: *Gelis micariae*, *Gelis obscurus*.

AGELENIDAE

Agelena naevia Walckenaer: *Gelis meabilis*.

Miscellaneous Araneae of Unknown Family

Micaria sp. or **Zelotes** sp. eggs: *Gelis ottawaensis*.

Spider eggs: *Gelis bruesii*, *Gelis davidsonii*, *Gelis dispar*, *Gelis macer*, *Gelis obscurus*, *Gelis ottawaensis*, *Gelis pettiti*, *Gelis uniformis*, *Lymeon orbus*, *Tromatobia lateralis*, *Tromatobia ovivora*, *Tromatobia rufopectus*, *Tromatobia rufovariata*, *Zaglyptus incompletus*.

Spider nest: *Clistopyga nigrifrons*.

SYSTEMATIC LIST OF PARASITES OF NEARCTIC ICHNEUMONIDAE

The following is a list of all records of parasitic insects attacking Nearctic Ichneumonidae. References to the authorities for these records may be found through the parasite lists under the various host species in the body of the catalogue.

HYMENOPTERA

ICHNEUMONIDAE

- Iseropus coelebs** (Walsh): *Hyposoter fugitivus*.
Coccygomimus aequalis (Provancher): *Gambrus extrematis*.
Coccygomimus instigator (Fabricius): *Iseropus coelebs*.
Itoplectis conquisitor (Say): *Campoplegidea ellopiae*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Phobocampe clisiocampae*.
Theronia atalantae (Poda): *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Itoplectis conquisitor*.
Theronia bicincta (Cresson): *Tromatobia rufopectus*.
Theronia hilaris (Say): ?*Coccygomimus pedalis*.
Bathythrix pimplae Howard: *Gambrus extrematis*, ?*Iseropus coelebs*.
Bathythrix triangularis (Cresson): *Phobocampe geometrae*.
Mastrus aciculatus (Provancher): *Itoplectis behrensii*.
Mastrus smithii (Packard): *Gambrus extrematis*.
Mastrus americanus (Howard): *Iseropus coelebs*.
Phobetes thyridopteryx (Riley): *Iseropus coelebs*, *Itoplectis conquisitor*.
Gelis atratus (Ashmead): *Hyposoter pilosulus*.
Gelis tenellus (Say): *Casinaria orgyiae*, *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, ?*Otacustes crassus crassus*.
Campoplex validus (Cresson): *Iseropus coelebs*.
"Hemiteles" sp.: *Campoletis argentifrons*.

CHALCIDIDAE

(ORMYRINAE)

- Monodontomerus subobsoletus** Gahan: *Gambrus extrematis*.
Monodontomerus sp.: ?*Gambrus extrematis*.

(PERILAMPINAE)

- Perilampus hyalinus** Say: *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*.

(CHALCIDINAE)

- Spilochalcis albifrons** (Walsh): *Gelis minimus*.

(EURYTOMINAE)

- Eurytoma sp.**: *Glypta rufiscutellaris*.

(ENCYRTINAE)

Epiencyrtus thyreodontis (Ashmead): *Thyreodon atricolor atricolor*.

Eupelmella vesicularis (Retzius): *Bathyplectes curculionis*.

Eupelmus sp.: *Glypta rufiscutellaris*.

(PTEROMALINAE)

Catolaccus aeneoviridis (Girault): *Bathyplectes curculionis*, *Campoletis argenti-frons*, *Hyposoter pilosulus*.

Coelopisthia suborbicularis (Provancher): *Itopectis conquisitor*.

Dibrachys sp.: *Gambrus extrematis*.

Dibrachys cavus (Walker): *Bathyplectes curculionis*, *Campoplex validus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Iseropus coelebs*, *Itopectis conquisitor*, *Phobocampe clisiocampae*, *Polistiphaga fulva*, *Theronia atalantae*.

Eupteromalus viridescens (Walsh): *Horogenes insularis*.

Eupteromalus sp.: *Bathyplectes curculionis*.

Habrocytus thyridopterigis Howard: *Hyposoter fugitivus*.

Habrocytus spp.: *Bathyplectes curculionis*.

Hypoeteromalus percursus Girault: *Hyposoter pilosulus*.

Pteromalus puparium (Linnaeus): *Hyposoter fugitivus*, *Phobocampe clisiocampae*.

(EULOPHINAE)

Cirrospilus inimicus Gahan: *Gambrus extrematis*.

Dimmockia incongruus (Ashmead): *Sphecophaga burra*.

Tetrastichus bruchophagi Gahan: *Bathyplectes curculionis*.

Pleurotropis tarsalis (Ashmead): *Hyposoter fugitivus*.

(ELASMINAE)

Elasmus atratus Howard: *Phobocampe pallipes*.

Elasmus varius Howard: *Hyposoter fugitivus*.

(Miscellaneous chalcidids)

Chalcidid: *Bathyplectes curculionis*, *Phobetes thyridopteryx*.

TRIGONALIDAE

Lycogaster pullata Shuckard: *Enicospilus americanus*.

ERRATA AND ADDENDA

- Page 16, line 13. For *morpha*, read *mophora*.
- Page 18, second column, first line under Tryphoninae. For *Notomeris* read *Pammicra*.
- Page 20, first column, third to last line. For Eucerosini read Euceratini.
- Page 20, first column, last line. The word should be Pionini.
- Page 21, second column, line 11. For *Troctonus*, read *Ipoctoninus*.
- Page 22, first column, lines 9 to 12. Delete *Casinaria*, *Zastenomorpha*, *Fiebrigia*, and *Zacharops*. Insert *Charops*.
- Pages 56 and 67, footnotes. Since this Catalogue went to press, Hemming (Bull. Zool. Nomenclature, Oct. 1943, 1, pt. 3: 70-86) has published that the International Commission on Zoological Nomenclature in June 1939 declared *Ephialtes*, *Pimpla*, and *Ichneumon* to be nomina conservanda, these to be used in the sense of European and older authors. An examination of the case shows that the vote to do this was not made by the full Commission as required by the usual rules of the Commission, but by Jordan and Hemming apparently without notifying the rest of the Commissioners that a vote was being taken, without asking for comments from them, and without notifying them of the action taken. A letter of March 1943, addressed to Dr. James L. Peters, Assistant Secretary of the Commission, regarding the status of these names received the reply that as far as he could find out from his file of correspondence, it had not received any attention since it was first published in 1936. It is perhaps useless to quibble about the "legality" of the Jordan and Hemming decision, as the above publication, together with earlier proceedings of the Commission clearly indicates the intention of the Commission, which would probably be verified if the matter were brought up before the Commission again. My own intention in regard to these names is to follow accepted rules of nomenclature, at least until it is clear that the Commission's policy in regard to nomina conservanda will receive the respect and support that is needed to make them endure.
- Page 83, second line under *Diacritus* should read: Genotype: *Mesoleptus? muliebris* Cresson. Included by Davis, Canad. Ent. 1895, 27: 288-289.
- Page 84, line 9. For *pleuricinctus*, read *pluricinctus*.
- Page 84, line 19. Delete entire line.
- Page 110, third to last line. For *brevicaudum* read *brevicaudus*.
- Page 125, after line 7. Insert the genus *Atopotrophos* from page 174.
- Page 143, second line under *Boethus alaingens*. For (A. N. S. P.) read (U. S. N. M.).
- Page 154, line 12. For *californicus* read *californicus*.
- Page 156, line 25. For *seminigra* read *seminiger*.
- Page 158, third line from bottom. For *Acetononyx* read *Actenonyx*.
- Page 181, lines 32 and 42. For *Chrysopa carnea* read *Chrysopa plorabunda*.

- Page 228, following line 18 insert *Stilpnus tenebricosus* from page 233 (where it occurs as *Atractodes tenebricosus*) and add the following reference: *Stilpnus tenebricosus* Roman, Arkiv för Zoologi, 1918, 12, no. 2: 30 [syn., des.].
- Page 233, lines 1 through 8. See the correction above for page 228.
- Page 244, sixth line from bottom. For *Shenkia* read *Schenkia*.
- Page 261, line 4. For *Gambrus ornatus* (Provancher) read *Gambrus zoesmairi* (Dalla Torre).
- Page 261, line 6. Add: Preoccupied by Gravenhorst, 1829. I am indebted to Mr. G. S. Walley for calling my attention to this preoccupation.
- Page 261, line 9. Add: and by Provancher, 1877.
- Page 261, line 24. For *Gambrus sordidus* (Provancher) new combination, read *Gambrus polyphemi* new name.
- Page 261, line 26. Add: Preoccupied by Tschek, 1870. I am indebted to Dr. H. D. Pratt for calling my attention to this preoccupation and for suggesting the substitute name.
- Page 355, line 8. For *hiulcus* read *hiulca*.
- Page 426, sixth line from bottom. For page 39 read page 93.
- Page 448. After line 13 insert *Lissonota gelida* with its references from page 451.
- Page 450, line 1. For *Lampronota* read *Lissonota*.
- Page 450, line 31. The reference should be: *Hammaniella* (!) *relativa* Viereck, Canad. Ent., 1902, 34: 67. ♂. [o. d., N. J. (A. N. S. P.), Mass.]
- Page 451, line 30. For *Lampronota* read *Lissonota*. *Lissonota gelida* and its references belong on page 448 after line 13.

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Synonyms and invalid names are given in italics. Misspelled names are followed by an exclamation mark (!) and, unless several authors have used the misspelling, also by the name of the author responsible for the misspelling. Specific names that are nomina nuda or that represent misdeterminations are given without an author. An asterisk (*) indicates an extralimital species, included usually as a genotype.

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* Miss Alice H. Renk, of the Division of Insect Identification, U. S. Bureau of Entomology and Plant Quarantine, has assisted in the preparation of this and the host and parasite indices.

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